Elihu Eli El, “Eli”

Phone: 301-906-1292

Arbutus, MD 21227

[obligated74@gmail.com](mailto:obligated74@gmail.com)

Subject: Cover Letter for Eli’s Resume

Dear Person of Interest:

I am a Veteran, a Rotarian {President}, and a humanitarian. I am a lifelong learner. I am pro-union, pro-workers’ rights, and pro-living wages. We so desperately need a humanitarian and servant leader to fight for us. I am [DAWIA](https://drive.google.com/file/d/1vKikZIz1eX868y930xqU--MQFYtD8HT4/view?usp=sharing) (Defense Acquisition Workforce Improvement Act) Level III in Systems Engineering, Scrum, SafeAgile, Security+, and ITIL (Information Technology Infrastructure Library) certified, earned a degree in Computer Science, and currently studying [Policy](https://docs.google.com/document/d/1ixwur52fHUr4M9KPh_DZpVTCWXxAk_TE/edit?usp=drive_link&ouid=101472439016624682428&rtpof=true&sd=true) with a concentration in [Cyber Security](https://drive.google.com/file/d/1KUpwrjuExt_Lcsau8a5LN-j4HrSiObSw/view?usp=sharing) to earn his master’s degree from [American Military University](https://drive.google.com/file/d/14Ln9e61QNg7pMzXzSY8tX8IgPNCxqV3K/view?usp=sharing). I am a graduate of the City of Little Rock's Healing Racism Institute, an alum of the City of Little Rock's Citizens Police Academy, a former Teamster, a former member of the Southern States Police Benevolent Association, a former member of the National Tactical Officers Association (NTOA), and current professional with the National Society of Black Engineers (NSBE).

The work should not be driven by political in-fighting, egos, or the need to cover one’s assets. Through education and lessons learned, I realize that I thrive in environments that strive to incorporate proven best practices, industry standards, continuous improvement, and sound software and systems engineering principles. However, I do have the wisdom and wherewithal to create new strategies on the fly to ensure mission success. In environments where best practices and Industry standards do not exist, they must be open and willing to adapt new strategies to achieve mission success. As a lifelong learner, I’m not sure my quest for knowledge will ever be over. Here are my formal education stops on my path: [American Military University](https://drive.google.com/file/d/14Ln9e61QNg7pMzXzSY8tX8IgPNCxqV3K/view?usp=sharing). I am currently completing a capstone and have completed rigorous coursework in traditional business fields within a technology-focused framework. A diverse and rewarding career path has enabled me to parlay lessons learned at each stop into sustainable lessons for growth today and beyond.

I advocate for building trustworthy leadership, protecting livelihood, ensuring that resources are properly allocated in a manner that supports equity, and getting the government working for the people. I am a former law enforcement officer who works to reform our criminal justice system. I am enthusiastic about developing products and services that address complex mission-focused problems. I bring ingenuity, simplicity, and humanity to the industry of software and systems engineering. I enjoy working in organizations that strive to have a good balance between doing it right and moving quickly. Innovation is powered by perspective and teamwork and respect for each other will lead to excellent results. I can take in a lot of disparate information and find common themes, recommend clear paths forward, and iterate along the engineering path. I do not form opinions and sell them as if it is the gospel. I am all about structure, but well capable of being flexible, agile, dependable, and responsive in the face of many moving parts.

Sincerely,

Eli

Enclosure: Resume

“Live as if you were to die tomorrow. Learn as if you were to live FOREVER.”

–Mahatma Gandhi

[Elihu Eli El](https://photos.google.com/share/AF1QipPA4bzSANL3RbppXU21GsurX4Gaep6TyQp85_yHVccYJSuTQgpQRMvuj3oavlNPgw/photo/AF1QipP26k-M54Cf_XRkyxqaxvUebAIdKTmF2J9D_wjG?key=UGV5MXVhOVJwMnktX3FCZXJ3SXVPVkRNQWlWNW9B)

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[Certified Acquisition Professional Level 3](https://icatalog.dau.edu/onlinecatalog/CareerLvl.aspx?lvl=3&cfld=12) / [8570 Certified](https://public.cyber.mil/cw/)

[NAACP Member](http://howardcountynaacp.com/) / [Rotarian](http://howardwestrotary.com/) / [Omega Psi Phi Member](https://piomega.org/) / [Prince Hall Shriner](http://salahaldin234.org/) / [NSBE Member](https://www.nsbe.org/professionals/special-interest-groups-(sig)/public-policy) / [Past Oasis Member](https://www.oasis-open.org/committees/membership.php?wg_abbrev=cti)

Background includes experience in combined military and Department of Defense (DOD) [operations](http://www.defense.gov/contracts/) and collaborating with small agile teams and larger enterprise development groups in government-run projects:

|  |  |  |  |
| --- | --- | --- | --- |
| Agile and Scrum Methodologies | | Business Intelligence and Reporting | |
| Infrastructure Diagramming and Modeling | | Quality Assurance | |
| Software Development Lifecycle | | Mentoring / Leadership | |
| .Net | AJAX | Analytics/TM1/FM | Bootstrap |
| C# | Cognos | Eclipse | Entity Framework |
| JavaScript | jQuery | MVC | Oracle |
| PHP | Python | Razor | Scrum/Agile |
| SQL Server | Toad | WCF |  |

CLEARANCE

TS/SCI/CI

MILITARY SERVICE

United States Army Reserve (USAR) 01/1990-02/2004

[Combat Engineer](http://army.com/info/mos/combat-engineer)

* Account for soldiers, materials, and equipment.
* Train or arrange for the training of team members in methods and techniques of team building and working in teams to accomplish tasks or projects and provide or arrange for specific administrative and technical training necessary for the accomplishment of individual and team tasks.
* Assign tasks, supervise, and instruct squad and section personnel.
* Conduct reconnaissance operations - Determine limiting slopes, curves, stream velocity, and gap widths.
* Control fire team movements, placing explosives, and clearing misfires.
* Direct and assist in the operation of engineer wheel or track vehicles.
* Direct construction of combat bunkers, shelters, and non–explosive anti-vehicular obstacles and expedient lifting devices.
* Contribute and actively participate in the Diversity and Inclusion team and assist in the development of the process, procedures, and policy, for its future effectiveness.
* Prepare demolition and engineer reconnaissance reports.
* Direct mine-clearing line charge loading teams.
* Direct minefield marking party and dispensing operation of mine scattering systems.
* Direct the construction of fighting positions and wire entanglements.
* Direct utilization and maintenance of vehicles and equipment.
* Enforce safety standards, field sanitation, communication procedures, security, and job specification.

I have protected national security as a warfighter for 14 years. This led my teams to provide support for construction, tactical movements, and unit and job site security. Because of proper control of fire team movements, the platoon successfully conducted the maneuvers of squads in patrols. By assigning tasks, supervising, and instructing squad and section personnel, my teams successfully conducted breaching operations, collected data, and calculated requirements for explosives.

PROFESSIONAL EXPERIENCE & ACCOMPLISHMENTS

{All roles are full-time at 40 hours per week, Monday – Friday, other than indicated}

**Systems Engineer IV**

ManTech International Corporation, Belcamp, MD 09/2023 – Present

* Advise and assist the government in System Engineering activities by applying techniques and industry best practices in Systems Engineering processes and principles.
* Assist the application leads in capturing all the required functions for an application, translating operational requirements into system requirements, and then subsequently translating system requirements into executable test demonstrations aimed at verifying required application performance.
* Ensure that all documentation for assigned application(s) meets and/or exceeds technical requirements.
* Provide analysis and system engineering services to the government and often work hand in hand with engineering staff and other stakeholders.
* Provide expertise in software and system engineering requirements alignment goals and architectural alignment goals.
* Support the Application Leads with necessary tasks concerning technical tests, Soldier Touchpoints, Operational Tests, etc.

**Part-time Tool Rental Sales Associate**

Home Depot, Halethorpe, MD 07/2023 – 10/2023

* Provide service to store customers in Tool Rental which includes writing customer contracts and invoices for equipment rental and tool repairs, checking to make sure the tool is operating properly, and demonstrating its proper use (as needed). This included truck rentals and rentals of large equipment such as backhoes, skid steers, boom lifts, trenchers, etc.
* Utilize computer terminals and/or Home Depot portable phone to check inventory, look up orders, and notify customers when product is ready for pick-up.
* Ensure units are repaired, tested for the quality of the repair, and cleaned before returning to the store where the repair originated.
* Multitask, describe features and benefits of merchandise, make equipment recommendations, and ensure that units are maintained.

**Team Lead {Software Engineer}**

Boeing Intelligence & Analytics, Annapolis Junction, MD 02/2023 – 06/2023

* Analyzes user needs and software requirements to determine the feasibility of design within time and cost constraints.
* As a Product Owner on the Release Team, drive planning, issue resolutions, and advise
* Conduct multidisciplinary research and collaborate with equipment designers and/or hardware engineers in the planning, design, development, and utilization of electronic data processing systems for product and commercial software.
* Confer with systems analysts, engineers, programmers, and others to design systems and obtain information on project limitations, capabilities, performance requirements, and interfaces.
* Coordinate software system installations and monitor equipment functioning to ensure specifications are met. Technologies: Agile and Scrum methodologies.
* Design, develop, and modify software systems, using scientific analysis and mathematical models to predict and measure outcomes and consequences of design.
* Design, develop, document, test, and debug applications software, and systems that contain logical and mathematical solutions.
* Determine computer user needs; analyze system capabilities to resolve problems on program intent, output requirements, input data acquisition, programming techniques, and controls.
* Remotely manage AWS EC2 instances within the Development environment.

Technologies: Jira, Confluence, Docker, React, jQuery, Visual Studio Code, RHEL, and Java.

**Sr. Software Engineer**

GDIT, Fort Meade, MD 08/2018 – 12/2022

* Brief AFSC military leaders on Cognos status as needed.
* Cognos is operational internal networks: Dev1, Dev2 (planned outage), Staging, BKUP (SIPR), and Production (SIPR).
* Configure and implement the IBM Cognos Application Firewall.
* Contribute as the resident Cognos expert by providing AFSC reporting capabilities to the customer.
* Create a robust Cognos status reporting tool for the SAHRMS team built with Excel and VBA that covers all five platforms: Dev1, Dev2 (planned outage), Staging, BKUP (SIPR), and Production (SIPR).
* Make ongoing enhancements and modifications to all dashboards.
* Manage and implement role and group-based Cognos Analytics security policies.
* Perform data validation and protection of all Cognos components such as the Framework and Configuration Managers.
* Perform ongoing development of the Cognos platform for AFSC leadership as part of the customer’s Business Intelligence (BI) strategy.
* Render, articulate, and assess mission accomplishment through data science.
* The leader of AFSC can brief higher commands on the operational status of AFSC using the Cognos dashboard(s).
* Works closely with SAHRMS Developers to produce reporting and dashboard instructional guides for SAHRMS users.
* Perform data modeling.

2nd Role

* Design and develop ServiceNow applications using App Engine Studio.
* Develop Python scripts to perform network automation to configure and expand the network fabric.

**Systems Engineer**

National Geospatial-Intelligence Agency, Fort Belvoir, VA 07/2016 – 05/2018

* As a Product Owner on the Release Team, drive planning, issue resolutions, and advise development on technical details of the project.
* As an Information Systems Security Engineer (ISSE), capture and refine information protection requirements to ensure their integration into information systems acquisition and information systems development through purposeful security design or configuration.
* Assign work by independently identifying, distributing, and balancing workload and tasks among employees by established workflow, skill level, and/or occupational specialization; assessing workload, setting priorities, and making adjustments to accomplish the workload, including reassignment of work from one team member to another, to ensure timely accomplishment of assigned team tasks; achieve desired results; and ensuring that each employee has an integral role in developing the final team product.
* Develop acceptance criteria for stories and create acceptance test fragments for portions of the system.
* Exercise delegated managerial authority to set long-range work plans.
* Information system Assessment and Authorization (A&A) through the Risk Management Framework (RMF) using Xacta as determined by NGA that receives guidance and oversight from DOD, the Director of National Intelligence (DNI), and Congress.
* Lead Scrum of Scrums (SoS), facilitate Technical Exchange Meetings (TEMs), address impediments, and support the Release Manager to ensure the product backlog is current and up to date.
* Manage and maintain accountability of all devices and mobile appliances for my organization.
* Manage open issues in JIRA and Redmine.
* Participate on the Web Baseline & Audit Team, focusing on providing clarity into the current state of our websites and collaborating as necessary with other teams.
* Schedule, provide technical coordination, and set up meetings to fully collaborate with uncleared factory developers.
* Manage SQL Server database within AWS C2S instance.

Technologies: Agile and Scrum methodologies.

Xacta is a cyber risk and compliance management platform that allows for collaboration among various people in various roles. Xacta facilitates virtual workflow-based processes, allowing me to lead in security, risk, compliance, audit, and management activities. Xacta is workflow-based and uses the NIST Risk Management Framework (RMF) from start to finish. Xacta combines industry-leading cyber security compliance and continuous risk assessment functionalities to establish an enterprise-wide security risk management solution. I have completed an audit of over 300 websites. This enabled my team to catalog and manage our cyber security poster. I utilized Xacta to manage the security assessment of an enterprise information system. By performing inventory, my team has accountability for both devices and accessories. As an Asset Custodian, my organization maintains 100% accountability of all mobile and electronic devices. By establishing processes to host low-side meetings, our Release Team is now able to fully collaborate and receive demonstrations from developers who are not TS/SCI cleared. As a member of the OASIS CTI Subcommittee Technical Committee, my contributions led to the addition of the Location object to the STIX model - [https://docs.oasis-open.org/cti/stix/v2.1/os/stix-v2.1-os.html#\_th8nitr8jb4k](https://docs.oasis-open.org/cti/stix/v2.1/os/stix-v2.1-os.html%23_th8nitr8jb4k)

**Sr. Database Management Specialist**

[RLM Communications, Inc.](http://www.rlm-communications.com), Fort Bragg, NC 05/2015 – 03/2016

* Design an end-to-end Business Intelligence (BI) solution for the wideband satellite group of the Army 53rd Signal Corps.
* Assess critical technology elements associated with each proposed materiel solution, including technology maturity, integration risk, manufacturing feasibility, and, where necessary, technology maturation and demonstration needs.
* Assist in planning work to be accomplished and articulating and communicating to the team the assignment, project, problem to be solved, actionable events, milestones, and/or program issues under review, and deadlines and time frames for completion.
* Coaching the team in selecting and applying appropriate problem-solving methods and techniques, providing advice and instruction on work methods, practices, and procedures, and assisting the team and/or individual members in identifying the parameters of a viable solution.
* Develop resource allocation plans for development projects that support productivity objectives and program performance.
* Ensure the organization's strategic plan, mission, vision, and values are communicated to the team and integrated into the team's strategies, goals, objectives, work plans, and work products and services.
* Facilitate, coordinate, coach, build consensus, and integrate work processes and products.
* For the Wideband Satellite Communications (SATCOM) Trend Analysis and Anomaly Resolution System (WSTARS) program, identify the advantages and disadvantages of potential alternative solutions that address the capabilities described in the Interface Control Document (ICD).
* Provide tactical data management support and executive agent support.
* Serve as a coach, facilitator, and/or negotiator in coordinating team initiatives and consensus-building activities among team members.
* Serve as the senior-level liaison for clients with the DoD wideband satellite community.
* The primary components of a typical end-to-end BI environment are ETL (Extract, Transform, Load methodology), data warehouse, and analytical reporting - Design an end-to-end BI solution to the Army 53rd Signal Corps and compare the design alternatives based on their estimated effectiveness and 1, 5, and 20-year Total Cost of Ownership.
* Translate and interpret functional requirements involved with the local phase of the project.

Technologies: Various databases (please inquire) and COTS products for ETL, data warehousing, and analytical reporting.

By completing an Analysis of Alternatives (AoA), capability gaps were mitigated resulting in an improvement in productivity, accuracy, and situational awareness of the Satellite Controller. This also provides them with overarching management of all sub-systems, greater situational awareness to users of the Wideband SATCOM Operations Management System (WSOMS), and a queryable tool that supports data analytics and situational awareness. By providing the AoA, 53rd Signal can complete WSTARS.

**Sr. Service Engineer**

[Microsoft](http://en.wikipedia.org/wiki/Microsoft), Redmond, WA 04/2014 – 04/2015

* Automate a process to avoid service disruptions when resetting Windows authenticated service account passwords across production (70 instances) which impact nearly 1000 servers.
* Build and manage software delivery, systems integration, and developer support tools.
* Build and manage various components of the web infrastructure focusing on integration, releases, and configuration management.
* Develop a tool to monitor and report the health of the Global Traffic Management (GTM) load balancers, which enables network admins to effectively deploy GTMs that are configured to operate at optimal performance and uptime.
* Lead agile environments to manage multiple software products.
* Lead the team and external stakeholders through in-depth analysis of technical problems and suggest short-term and long-term resolutions.
* Maintain source code.
* Modify and/or upgrade code as necessary to support applications that have a broad impact.
* Perform enhancements and bug fixes to the Talis application, which serves as a user interface to bring together configuration data from Visual Studio Team Foundation Server deployments and associated infrastructure with real-time reporting, change control, notifications, and ticket management integration.

Technologies: .Net, C#, Entity Framework, Group Managed Service Accounts ([gMSA](https://technet.microsoft.com/en-us/library/hh831782.aspx)), MVC, SQL Server 2014, Visio, and WCF.

By making approximately 15 software enhancements and over 20 fixes to Talis, the company maintained nearly 100% business continuity as well as enabled the DevOps Team to maintain and manage all corporate-wide software applications. I either developed or led the development of several software projects, which have resulted in the continual delivery of features. Leading one project, resulted in passwords of service accounts being updated without disrupting service.

**Specialist Master**

[Deloitte](http://en.wikipedia.org/wiki/Deloitte), Chantilly, VA 08/2012 – 04/2014

* Develop two analytic applications for Federal Defense – Organization Requirements & Budgeting Information Tool (ORBIT), formerly known as Financial Information Requirements Tool (FIRsT), and NEEPEI (TM1 subcomponent of FIRsT), leveraging the Cognos TM1 and Business Intelligence (BI) technologies to enable NRO to effectively manage assets in the billions of dollars.
* Engineer an end-to-end solution that embodies the BI Transformation Model, which is:

1. Capturing Data
2. Transforming Data into Information
3. Building Knowledge from Information
4. Exerting Wisdom based on Knowledge

* Analyze substantial amounts of historical business data for patterns or trends and present results to asset managers.
* Design and implement multi-dimensional models, including the construction of Data views, Dimensions, and Cubes while adhering to enforce development methodologies.
* Develop trending models that identify key indicators and missing data.
* Developed proposals to receive direct federal appropriations based on specific contract vehicles such as Indefinite Delivery/Indefinite Quantity (IDIQ), Multi-Agency Contracts (MACs), GSA Schedule, Governmentwide Acquisition Contracts (GWACs), Blanket Purchase Agreements (BPAs), Open market, and Set Asides.
* Drive the execution of multiple business plans and projects by identifying customer and operational needs.
* Ensure compliance with data management standards.
* Lead and facilitate discussions and debates with my peers.
* Lead data governance for the core source systems.
* Monitor and optimize database performance and tuning of database operations.
* Monitor, report, and check on work in progress; and review completed work for quality, timeliness, and technical accuracy to see that the supervisor's instructions on work priorities, deadlines, and quality have been met.
* Perform a wide range of database administration functions, including running test queries, troubleshooting database problems, maintaining version control of database entities, advising customers on new database features, and leading studies to evaluate the effectiveness of current database methods and procedures.
* Recommend new or modified standards to increase efficiency.
* Recommend performance enhancements such as increasing storage capacity or modifying interfaces.
* Set reasonable customer satisfaction goals and work with the team to meet them consistently.

Technologies: COGNOS Enterprise Planner, COGNOS Event Studio, COGNOS Report Studio, Oracle, TM1 Architect, and TM1 Perspectives.

I built over 50 major capabilities in the NEEPEI system and made approximately 20 modifications to the FIRsT data model that resulted in NRO experiencing no unplanned downtime and being able to satisfy reporting requirements as directed by the Congressional Budgeting Office. This also enabled NRO asset managers to maintain 100% accountability of assets and was able to reuse assets to reduce costs. The project team received the award of BPO Team of the Quarter for our work on FIRsT.

**Sr. Software Engineer**

[EIS](http://www.goeis.com/), Indian Head Naval Base, MD 03/2012 – 08/2012

* Create features that are scalable, accessible, and render effectively across multiple browsers, operating systems, and device types.
* Develop web pages to meet project goals, user needs, industry standards, and aggressive timelines.
* For Enterprise Information Services (EIS), develop a website for warfighters that integrates with other DOD networks for support of DOD operations in theater as directed and/or required by the United States Secretary of Defense (SecDef).
* Implement dynamic user interfaces compatible with multiple browsers.
* Incorporate technical and non-technical considerations into the website design plans, including ROI, hardware, performance, and DOD directives (including accessibility, privacy, and security).
* Integrate data feeds using technologies of SOAP, REST, XML, and RSS.
* Provide support and guidance to other coworkers in solving programming problems.

Technologies: AJAX, Eclipse, jQuery, and PHP.

I made over 20 enhancements to the system, performed over 20 fixes, and participated in 5 software deployments. Warfighters were delivered an information management system (website) that enables them to manage. This also resulted in the development team executing successful analysis, technical requirements, design, coding, testing, implementation, and deployment throughout the website's life cycle.

**Sr. Software Engineer**

[NJVC](http://en.wikipedia.org/wiki/NJVC), Springfield, VA 10/2009 – 03/2012

* Create metrics and key performance indicators for the E organization.
* Design, develop, and maintain databases.
* Develop a web-based financial management system using ColdFusion and Cognos for the NGA E organization (re-organized).
* Develop an end-to-end financial management system for executive decision-makers and the Program Management Office.
* Develop application components that enable users to interact with complex data sets, and processes, enter data, and invoke business intelligence tools to generate interactive reports.
* Participate in the design of data mining and data warehousing of systems.
* Perform cross-network data exchange via VBScript and VBA.
* Perform data analysis, and develop reports, and dashboards.
* Plan and coordinate the migration of data to a newer version of a database management system.
* Provide dashboards, projections, and forecasts to all stakeholders to set budget priorities, drive budget alignment, and direct budget execution.

Technologies: Cognos, Dreamweaver, Microsoft Excel, VBA, and VBScript.

I made well over 300 VBScript and ColdFusion modifications and built over 50 Cognos reports. This enables our agency to successfully implement the Director's financial strategy for financial NGA operations to meet and/or exceed our fiscal objectives. This also results in NGA program managers, and financial analysts being able to provide sound financial management by carefully tracking and managing our agency's workforce and financial resources as well as achieving greater return on investment.

**Sr. Software Engineer**

[Blue Canopy](http://www.bluecanopy.com/), Elkridge, MD 09/2008 – 09/2009

* Develop a DCID 6/3 compliant web service.
* Develop a web service that interfaces with the Armed Forces Health Longitudinal Technology Application (AHLTA) &DEERS (Defense Enrollment and Eligibility Reporting System) for the Defense Programs Support Activity.
* Develop web applications and deliver web-based services on highly visible projects that support mission-critical defense initiatives.
* Interface with DEERS and real-time data repositories to provide XML packages of warfighter data to be consumed by various other systems.
* Program and manage secure PII to be exchanged between systems.

Technologies: .Net, C#, and Visual Studio.

I engineered 7 major capabilities into the web service and mitigated 4 cyber security concerns. As a result, AHLTA is the first system to allow for the central storage of standardized healthcare data that is available for the worldwide sharing of patient information. Also, AHLTA users have safe and secure online access to all military health system beneficiaries' records as well as connectivity to the U.S. military's 481 medical treatment facilities.

**Software Engineer**

[Computer Sciences Corporation](http://en.wikipedia.org/wiki/Computer_Sciences_Corporation), Bethesda, MD & Andrews Air Force Base, MD 09/2006 – 09/2008

* Analyze, develop, implement, maintain, document, and modify Microsoft Windows-based client-server applications.
* Assist in the collection and documentation of user requirements, and development of user stories, estimates, and work plans.
* Demonstrate expertise in a variety of software engineering concepts, practices, and procedures.
* Develop an information system based on secure coding practices within the SSDLC process, secure code management, OWASP vulnerabilities mitigation, and performing secure code reviews.
* Develop role-based Information Management Systems (IMS) for both a naval {cost estimating and depreciation} and law enforcement {information management} organization within the DOD while leveraging SQL stored functions and procedures to overcome business, security, and technical challenges.
* Encode, debug, and test software applications to meet established operational and system requirements using Microsoft Visual Studio development environment as well as other tools as required.
* Produce database design schema for integrating source data into data management systems.
* Provide sophisticated web-based software and database development support for the IMS Database Application for the Naval Sea Systems Command (NAVSEA) Surface Ship Modernization Program.
* Provide technical guidance throughout project design, coding, testing, debugging, and maintenance programs.

Technologies: .Net, ASP.Net, SQL Server, VB.NET, and Visual Studio.

By engineering more than 30 enhancements and fixing over 50 bugs the Air Force Special Investigations Officers can conduct investigations into criminal, fraud, counterintelligence, internal security, and other security concerns. Also, NAVSEA can perform advanced planning of surface ship availabilities, integrations of innovative technologies, contract strategy, and plan yard functions as well as integrate all surface ship modernization and managed modernization planning and execution.

**Systems Engineer**

[Lockheed Martin](http://en.wikipedia.org/wiki/Lockheed_Martin), Gaithersburg, MD 08/2004 – 09/2006

* As a member of the Performance Engineering Team, routinely perform systems engineering tasks for contracts that require large-scale hardware and software COTS integration.
* Conduct performance-based modeling and collaborate with equipment designers and/or hardware engineers in the planning, design, development, and utilization of the IEC system.
* Fully and completely understand system interdependencies, constraints, and limitations.
* Perform performance engineering for the Integrated Exploitation Capability (IEC) system.
* Possess expert knowledge in performance, scalability, enterprise system architecture, quality, security, and engineering best practices.
* Proactively mitigate latency provide optimal tuning of IEC and ensure high reliability of the system.
* Provide Capability Maturity Model Integration (CMMI) Level 5 audit support.

Technologies: ATM & Gigabit Ethernets, CMMI Processes, Microsoft Excel, NetApp Data Management, Perl, and Windows Shell Scripting.

I made over 20 model enhancements, and 10 Perl changes, and analyzed over 50 reports, which resulted in IEC users being able to query, order, and exploit data from Command Information Libraries or Direct Feed - Image Product Libraries and ensuring that IEC operates at the upper threshold for performance demands with no unplanned downtime. By adhering to processes and providing auditors with supporting artifacts, the IEC project maintained its CMMI level 5 accreditation following an audit.

**Software Test Engineer**

[CDI](http://www.cdicorp.com/), Hinton, WV 04/2003 – 08/2004

* Conduct performance tuning, load testing, and optimization of information/data processing, maintenance, and support of the Joint Computer-aided Acquisition and Logistics Support (JCALS).
* Continually evaluate mission accomplishment.
* Create test plans, evaluate testing results, and take corrective action, as necessary.
* Enforce software engineering best practices related to source control, continuous integration, and test-driven development.
* Manage the performance goals, allocate resources, and assess policies, and operating procedures.
* Mitigate data quality issues and lead system data governance initiatives by participating in necessary activities such as data profiling.
* Provide reports to management and leaders on data quality issues.
* Verify software quality by performing unit, regression, and stress tests.

Technologies: System testing with Window WAN, WinRunner, Configuration Management, and Exceed.

I performed over 200 unit and regression tests and periodically performed stress tests. This enables Program Managers, Integrated Product Teams (IPTs), Working-Level Integrated Product Teams, and other functional experts to perform assurance, financial and economic analysis, industrial capabilities assessments, technical integration, and technical information activities. These users are also able to process all data and information required to manage, control, and produce technical manuals.

Software Engineer

[CDM](http://cdmsmith.com/), Carbondale, IL 02/2002 – 04/2003

* Apply computer-assisted software engineering (CASE) tools to the design and development process.
* Apply technical standards, principles, theories, eXtreme Programming (XP) methods, and techniques to solve problems.
* Datamine using queries involving advanced outer joins.
* Declare record set objects to manipulate the rows of a cursor, view their fields, and update the underlining table via DML while navigating through the recordsets.
* Develop a software-based Information Management System for the U.S. Corps of Engineers using Visual Basic 6.0 and Oracle requiring real-time screen updates, developer tools, and ActiveX controls.
* Develop data dictionaries, data models, metadata repositories, and other data management tools.
* Develop using Data Manipulation Language during application development to manipulate the information stored in the database with SQL statements.
* Generate complex queries and reports.
* Implement advanced features of Visual Basic that include creating a user-friendly front end, updating the database consistently at remote locations, front, and back-end data validation, and real-time data rendering.
* Interpret software requirements to design and implement software as defined by business analysts.
* Demonstrate that the developed product meets all specified legislative and customer requirements.
* Test, install, implement, document, and maintain software during a significant local project or as needed to support applications that have a broad impact.

Technologies: Visual Studio, VB, VB.NET, Visual SourceSafe, Toad, Oracle.

I made over 100 enhancements, over 50 bug fixes, and modified over 30 stored procedures, which enabled USACE to track environmental compliance assessments performed at various USACE sites as well as keep track of proposed corrective actions. This also led to USACE improving environmental quality, better-defined metrics that best capture performance measures numerically, determining how much money it took to improve performance, and comparing the contributions to actual costs.

**For roles before 2001, please inquire.**

EDUCATION

Currently a master’s level student at the School of Security & Global Studies at the American Public University System (APUS) for Public Policy concentrating in Cybersecurity. Upon completion of this degree {Fall 2023}, I will be able to:

* Analyze the national cyber threat landscape and cybersecurity challenges from both external entities and domestic sources.
* Examine the legal, social, regulatory, ethical, and technical issues related to securing information systems and national critical infrastructures.
* Compare and contrast the interdisciplinary policies, practices, perspectives, and products required to address the cyber threats to our information systems and critical infrastructures.

Bachelor of Science in Computer Science, Minor in Mathematics 2001

[The University of Arkansas](http://ualr.edu/computerscience/), Little Rock, AR

TRAINING

[National Model United Nations (NMUN)](https://www.nmun.org/) - DC 2023 Conference

AMU Delegate

November 10-12, 2023

National Model United Nations (NMUN) is the world's largest, most prestigious, most diverse, and oldest ongoing university-level Model UN. Model UN helps students to develop public speaking, writing, and research skills. In addition, they often provide the first entry point into international affairs and introduce students to the wide range of peace and security, human rights, development, and rule of law issues that are on the UN agenda.

GDIT Cyber Hackathon

December 8th, 2022

Tools: CrowdStrike and Splunk

This was a team competition where participants engaged in defensive security operations capture-the-flag-like competition to practice investigation and analysis skills while working through various hands-on cybersecurity exercises.

Results:

• Learned how to investigate and respond to advanced threat actors.

• Learned to work as an effective team to complete various cybersecurity challenges.

• Enhanced skills around capabilities of SIEM, SOAR, and XDR.

LICENSES & CERTIFICATIONS

|  |  |  |  |
| --- | --- | --- | --- |
| Description | Issuer | Issue Date | Expiration Date |
| 70-740 Installation, Storage and Compute with Windows Server 2016 | Microsoft | 02/27/2019 |  |
| Certified Scrum Master | Scrum Alliance | 02/12/2016 | 09/05/2024 |
| DAWIA Level 3 (CAP) - Engineering | Defense Acquisition University (DAU) | 03/07/2017 |  |
| ITIL Version 3 Foundation Cert | AXELOS | 11/25/2013 |  |
| Security+ sy0-501 | CompTIA | 07/02/2018 | 07/02/2024 |
| Certified SAFe 4 Agilist | Scaled Agile | 08/01/2014 | 06/28/2022 |
| System Security Cert Practitioner | (ISC)² | 07/01/2011 | 07/01/2014 |

Recent References

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