Mauricio A. Aquino

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– Top Secret SCI –

DevSecOps Engineer / Cybersecurity Professional / Software Developer
Solution Development – Leadership – Security Oversight

Motivated leader who works diligently to complete any task and skillfully drives innovation and communication within a team. Skilled at strategic planning to achieve client's business vision and realize desired cybersecurity and software engineering outcomes. Successfully managed complex requirements addressing cyber security, risk management, and infrastructure to enhance projects and address relevant issues. Self-motivated worker with experience in problem solving and generating innovative ideas to achieve business goals. Seeking a position in software development/cyber security where I may continue to utilize my strong work ethic, communication skills, and my attention to detail.

PROFESSIONAL EXPERIENCE

PARSONS – Colorado Springs, CO   Sep 2021 – Present
Cybersecurity Systems Engineer
Worked as a civilian contractor for the U.S. Space Force providing support to three unique teams/projects with an emphasis on bridging the gap between development and security through automation and DevSecOps methodologies. I supported teams focused on the automated creation of hardening operating systems, the scanning/delivery of packages into secure environments, and the implementation of security best practices into software and infrastructure.

- AWS Cloud Infrastructure – Utilized a variety of AWS cloud services across multiple teams to support development and operations. Included services such as Lambda, EC2, S3, CodeCommit, Secrets Manager, and ECR.
- System Administration – Worked with a variety of system services and command line utilities to operate, maintain, and configure critical systems. Was responsible for system administration of both a Jenkins and SFTP server. Assessed systems for STIG compliance, worked with hardened images, used Ansible to configure Linux systems, and worked with package repositories.
- Software Development – Created applications to communicate with APIs for various tools, databases, and services. Also developed applications to perform operations on files and to communicate with AWS services through their SDK.
- CI/CD Pipelines – Created multiple Jenkins pipelines to automate and tie together various processes into a DevSecOps framework. Familiar with Jenkinsfile and JSL Groovy syntax.
- Containers/Microservices – Gained extensive experience building and creating containers with Podman and Docker. Also obtained introductory experience working with Kubernetes and integrating containers into CI/CD pipelines.
- Collaboration – Drove cross-team collaboration to develop shared innovative solutions that saved time and costs across the program. Provided development and operational support to other developers; troubleshooting and problem-solving for various issues.
- Architecture/Design – Collaborated with developers and the chief engineer to design innovative solutions to make both engineering processes and service infrastructure resilient, platform-agnostic, simple to replicate with code, and compliant with security best practices and government standards.

KING SOOPERS MARKETPLACE – Colorado Springs, CO   Jul 2017 – Sep 2021
Courtesy Clerk, Cashier, Service Desk Clerk, Bookkeeper
Worked over 4 years at a King Soopers Marketplace store in customer service advancing through various positions within the Front-End department. Recognized for customer service skills and quickly moved from Courtesy Clerk to Cashier. Further promoted to work in Guest Care & Money Services and eventually as a Bookkeeper.

UCCS INNOVATION PROGRAM

Longevity Wellness – Colorado Springs, CO   Aug 2020 - Dec 2020
Team Lead, Project Manager, Software Developer, User Interface Designer, Innovation Consultant
Led a 6-person mobile app development team that designed and developed a prototype health and fitness mobile application for a wellness clinic. This application will allow medical professionals to import medical testing data to a customer's profile to make the client's customers aware of their deficiencies and allow these customers to track and monitor nutrients through the food they eat. This will help their customers make healthier choices and therefore improve their overall health. Work included performing project management duties, assisting with and improving the technical designs created by the client's team, developing the frontend of the mobile application, and implementing the backend infrastructure the mobile application would need to function.

- User Interface Design: Worked off existing designs created by client's technical team and implemented and improved them within mobile application. Generated new user interfaces for previously non-existing screens and functionalities.
- Software Engineering: Developed the frontend mobile application including user interface, screen navigation, and functionality.
- Backend Development: Worked with the USDA food database to get information about a particular food item including nutrients and ingredients. Utilized a server created by our team to host machine learning, user profiles, and data for the app. Designed and worked with code to allow our frontend mobile application to work with our backend server.
- Security: Addressed security concerns with client regarding website, server, and user app throughout software development process.
- Innovation: Worked with state-of-the-art new medical testing methods to determine an individual's deficiencies and potential health issues. Utilized machine learning to recognize food from pictures taken by the user so that user could use the app to determine nutrients for that food item.
- Governance: Basic understanding of HIPPA compliance and storing customers' information. Utilized HIPPA-compliant server created by team.
- Presentation: Presented work within formal market-facing document and in online presentation of work to our client's superiors to achieve buy-in from medical professionals and other members of the company.

Champlain Tours – Colorado Springs, CO   Aug 2018 - Dec 2018
Website Developer, Graphic Designer, Researcher, Innovation Consultant
Served as an Innovation Consultant in a 5-person team for a tour company based in Vermont. Improved our client's advertising and marketing for the company by enhancing the presentation of the client's website, increasing his social media presence, and performing search engine optimization for his website. Additional work included redesigning his logo, creating travel brochures for various trips, and providing recommended advertising and marketing strategies in the capacity of innovation consultants.

- Website Development: Assisted with complete redesign of the client's website from the ground up.
- Graphic Design: Assisted with and contributed designs and final products for redesign of the client's logo. Created travel brochures for a variety of trips the client used for his customers.

- Social Engineering: Created guides and example posts to help the client enhance his social media presence. Researched social media platforms and best ways to increase client's base of followers. Investigated methods for professional companies to utilize social media effectively.
- Innovation: Generated new and unique ideas for marketing and advertising. Included new strategies as well as redesign of logo, company slogan, website, social media, and other forms of advertising for the client's customer base.

TECHNICAL PROFICIENCIES

Software Development
- Object-Oriented Programming: Python, C/C++, Java, Groovy.
- Functional Programming: Meta Language (ML), cLisp.
- Mobile app development: dart/flutter.
- Web Development: Introductory experience with HTML, CSS and JavaScript.
- Scripting Languages: Python, Bash.

System Administration
- Windows: Introductory experience working with Windows servers and Active Directory.
- Linux: Ubuntu, CentOS, Fedora, RedHat. Experienced with Unix Bash shell.
- Remote Administration: SSH, RDP.
- Virtual Machine: VMware, Oracle VirtualBox, UCCS EAS Architecture, Microsoft Hyper-V, and Multipass.
- Package Managers: yum, dnf, rpm, apt, dpkg, snap, homebrew.
- Services: sshd, systemd, firewalld, rsyslog, chronyd.

Cloud Development
- Infrastructure as Code – Introductory experience with Ansible & Terraform.
- SDKs/CLI – AWS CLI, Boto3.
- AWS Services – Lambda, EC2, S3, CodeCommit, Secrets Manager, ECR, APIG, ECS, DynamoDB, EFS.

DevOps
- Containers – Docker, Podman, Buildah, and introductory experience with Kubernetes.
- Container Scanning – Hadolint, Syft, Grype, OSCAP, ClamAV.
- CI/CD Pipelines – Jenkins.

Utility/Other
- Version Control & Source Code Repos: Git, GitHub, GitLab, AWS CodeCommit.
- Project Management Software: Jira, Trello, Asana.
- Documentation: Confluence, Markdown, Microsoft Visio, Drawio, Mermaid.

EDUCATION AND CERTIFICATIONS

UNIVERSITY OF COLORADO COLORADO SPRINGS, Colorado Springs, CO
Bachelor of Innovation in Computer Science & Security with Honors, May 2021
PIKES PEAK COMMUNITY COLLEGE, Colorado Springs, CO
Associate of General Studies, December 2017

Certifications
UCCS Lead: Game Changer Leadership Program
National Society of Leadership and Success: Foundations of Leadership Training Program

Awards and Recognitions
Member of the National Honor Society
6 semesters of President's List (GPA > 3.5)