Moises Aguirre

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https://github.com/AguirreMoy

EDUCATION

Bachelor of Science in Electrical Engineering
University of California, Riverside · Riverside, CA · 2017

EXPERIENCE

Software Engineer
Capital One   **June 2022 – Present, McLean, Virginia**

· Enhanced Macie Architecture and integrations with stakeholder APIs to report cyber incidents. Reduction in monthly costs by ~$14,000.
· Led the development for Amazon Macie false alert analysis, enhancing incident response team capabilities. Reduction in Cybersecurity investigation time by 70%.
· Promoted best practices and usage standardization campaign with product team. Resulting in new in favor of a more reliable and scalable serverless architecture.
· Python, Javascript, GoLang, AWS (API gateway, CloudFormation, CodeDeploy, EC2, EventBridge, DynamoDB, Lambda, Route 53, S3, SQS, Step Functions).

Software Developer
Naval Surface Warfare Center   **February 2021 – May 2022, Corona, CA**

· Developed Python Flask web applications for analysts to generate and store their analysis products. Reduction in report generation time by 85%.
· Built AEGIS Weapon Systems time series analysis tools to calculate key data points relevant to ship networking, performance, life cycle, and execution. Increased accuracy of analysis reports by 40%.
· Implemented workflows for system operational performance report generation for analysts to identify/document system anomalies. Saving ~120 billed analyst hours per event.
· C++, MongoDB, NiFi, Pandas, Python, Tableau.

Programmer / LCS Combat Systems Systems Analyst
Naval Surface Warfare Center   **May 2018 – February 2021, Corona, CA**

· Supported SWATT exercises by generating and providing on-ship reconstruction and SIMDIS replays for Surface Warfare Tactics Instructors (WTI), ensuring realistic and accurate reviews.
· Designed workflow automation frameworks to process data and automate analysis for analysts to find key data points.
· Revised and implemented new Fire Control System data message processing. Resulted in significant reduction of processing time by 90%.
· C++, Phoenix Open Architecture, Python, SIMDIS, SWIG, UNIX.

CERTIFICATIONS

Security+ CE
CompTIA · 2023
· Understanding of security concepts and best practices to identify and mitigate security risks

AWS Certified Developer – Associate
Amazon · 2022

SKILLS

Languages: Python, C++, Typescript

Technologies: AWS, Google Firebase, Git, Jenkins, Svelte, New Relic, PostgreSQL, Docker, Matlab & Simulink, AEGIS Systems, Link-16 Tactical Network