

CODY COLE

Los Angeles, CA | colecode27@gmail.com | +1 (352) 682-8113 | Army Veteran

[Github](#) | [LinkedIn](#) | [Portfolio](#)

Professional History

- Amazon Web Services (AWS), Software Engineer I****Jun 2024 - Sep 2025**
 - Built and deployed a Java-based Public Key Infrastructure (PKI) microservice to 13+ regions (commercial, pre-production, and AWS Dedicated Cloud) standardizing encryption infrastructure
 - Automated rotation of 1K+ TLS certificates with Python, improving certificate hygiene in various regions
 - Cleaned 10K+ records from multiple RDS control plane databases utilizing SQL
 - Managed intern and authored high-level design document for new option to essential [RDS API](#)
 - Secured infrastructure by closing ports, which hardened 100+ hosts and mitigated critical vulnerability
 - Owned 24/7 on-call duties for the AWS RDS Access Control team, responding to high-severity operational security issues and ensuring the reliability of critical access management workflows
- Amazon Web Services (AWS), Software Engineer Intern****Jun 2023 - Aug 2023**
 - Developed and deployed a customer-facing [API attribute](#) for AWS RDS, improving user experience by replacing static values with dynamic attribute-driven logic
 - Delivered end-to-end test coverage (unit/system/manual) to support release to production
- Naval Air Warfare Center Weapons Division (NAWCWD), Intern****Jun 2022 - Aug 2022**
 - Programmed a field programmable gate array (FPGA) exploiting SystemVerilog to control a tunable bandpass filter allowing frequencies between 11-20 GHz to be received and transmitted
- Securities and Exchange Commission (SEC), Intern****Sep 2021 - Nov 2021**
 - Rewrote legacy SAS ETL pipeline in Python to ingest and aggregate 100K+ records of market-level short sale data for weekly regulatory reporting
- U.S. Army, Sergeant****Jul 2015 - Oct 2018**
 - Coordinated ground and air forces while providing timely and accurate targeting data

Projects

- Telem****(Python, Flask, AWS)**
 - Developing a backend telemetry platform to ingest, store, and analyze real-time or file-based sensor data using Flask, SQLAlchemy, EC2, PostgreSQL
 - CLI for seamless streaming of serial data and performing backend CRUD operations over HTTPS
- Candor****(SvelteKit, Firebase)**
 - Full-stack web application to track job applications, manage interviews, and foster user collaboration through a transparent platform
- Satellite Collision Tracker****(Python, SQLite)**
 - Python app deployed with Streamlit that pulls satellite orbit data from NASA APIs to project future movements and calculate minimum satellite-to-satellite distances with visualizations

Education

California State University, Fullerton · Computer Science, (BS) **May 2024**
Santa Barbara City College · Computer Science, (AS) **May 2022**

Technical Skills

Java · Python · SQL · C++ · Javascript · OOP · Git ·
SSL/TLS · Linux · AWS · Networking · Data Structures
· Algorithms · Time and Space Analysis · Parallel
Computing · Full-stack Development

Certifications

Top Secret Clearance **2025 - Present**
Secret Clearance **2015 - 2025**
Joint Fires Observer Course **2016**
Basic Leaders Course **2018**

Awards and Honors

Army Achievement Medal · National Defense Service Medal · Global War On Terrorism Service Medal · Korea Defense Service Medal · Non Commissioned Officer Professional Development Ribbon · Army Service Ribbon
Overseas Service Ribbon · Certificate of Achievement