

CODY COLE

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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 for PKI microservice, improving certificate hygiene
- Implemented SOPs for PKI microservice, cleaning 10K+ records across RDS control plane databases
- Managed intern and authored high-level design document for a new [RDS API](#) option
- Led incident reviews as part of 24/7 on-call rotation for the AWS RDS Access Control team, responding to high-severity operational security issues to maintain uptime and SLA compliance
- Secured infrastructure by closing ports, hardening 100+ hosts and eliminating unauthorized access risk

Amazon Web Services (AWS), Software Engineer Intern Jun 2023 - Aug 2023

- Developed and deployed a new customer-facing [API attribute](#) for AWS RDS, enhancing internal automation and improving user experience by replacing static console values with dynamic logic
- Delivered comprehensive test coverage, ensuring seamless release to production with zero regressions

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

- Refactored legacy SAS ETL pipeline into 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 joint ground and air operations by delivering timely and accurate targeting data

Projects

Plansly.co (Python, Flask, MongoDB)

- Collaborative planning platform using S3, WebSockets and Auth0, enabling real-time plan updates, instant messaging, activity voting, and payment tracking for multi-user events
- Multi-service architecture separating frontend, backend APIs, cloud storage and authentication services

Telem (Python, Flask, AWS)

- Backend telemetry platform to ingest, store, and analyze real-time or file-based sensor data
- Contains CLI for seamless streaming of serial data and performing backend CRUD operations over HTTPS

Candor (Javascript, Svelte, Firebase)

- Web app to track applications, interviews, and resumes through a transparent platform

Technical Skills

Languages: Python, Java, Javascript, SQL, R
Web Dev: Flask, Svelte, OAuth, REST APIs, Tailwind
Databases: RDS, S3, DynamoDB, MongoDB, PostgreSQL
Tools: Git, Github, Linux, CI/CD, Postman, Boto3

Certifications

Top Secret Clearance	2026
Secret Clearance	2018
Basic Leaders Course	2018
Joint Fires Observer Course	2016

Education

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

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