

JIMMY O'HARA

SOFTWARE ENGINEER (II)

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SUMMARY

Software engineer building secure Java/Quarkus services and AI developer tools adopted across the team. Led security-program planning and owns shared release automation. Active eligibility for classified government systems (CAC/PKI credentialed).

SKILLS

Languages: Java, Python, TypeScript, SQL, Bash | **Familiar:** Go, Rust

Backend: Quarkus, Spring Boot, gRPC, REST/OpenAPI, Kafka, Apache NiFi, Hibernate, Maven |

Data: MongoDB, PostgreSQL, Redis/Valkey/ElasticCache, Infinispan, Athena

Cloud/Infra: AWS (S3, Lambda, IAM, EKS), Kubernetes, Helm, Docker, GitLab CI/CD

AI: Claude Code, Codex, GitHub Copilot, Anthropic Claude API, MCP, multi-agent orchestration, agent SDK/CLI

Methods: TDD/Testcontainers, GitFlow automation, code review, Agile/Scrum

EXPERIENCE

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May 2025 – Present · Colorado Springs, CO

Software Engineer (II) · returned full-time after two software-engineering internships (Summers 2023 & 2024)

- Served as acting lead for a platform security overhaul during the program lead's absence. Owned execution planning, dependencies, status, and technical decisions.
- Built the deployment path for new security services, published the OpenAPI contract to unblock UI development, and separated application and migration database access.
- Built AI code-review pipelines and automatic reviewer assignment adopted by the platform team. Shared agent workflows combine cross-model review with end-to-end verification.
- Own shared Maven release and hotfix CI components across UDL repositories. Fixed release failures and added BOM validation, pre-flight checks, and conflict resolution.
- Led onboarding-backend development using Quarkus and MongoDB. Built form APIs, server-side validation, Pull onboarding, and Jira workflow integration.
- Found and fixed authorization defects in a government data platform. Led code remediation for a security tiger team and added regression tests.
- Co-built secure-streaming and owned its Redis/Valkey availability buffer, including client backpressure and fault-tolerant retries.

UCCS Office of Information Technology

Sep 2022 – May 2025 · Colorado Springs, CO

Lead IT Technician, promoted from IT intern

- Led and mentored the technician team over three years while completing a full-time CS degree.

PROJECTS

Pangea, AI agent harness *Tauri, React, Rust*

- Built a desktop harness for running and orchestrating AI coding agents, with a built-in terminal and persistent sessions.

EDUCATION

B.S. Computer Science, University of Colorado Colorado Springs · Aug 2022 – May 2025 · 3.78 GPA

CERTIFICATIONS & HONORS

CompTIA Security+ (Apr 2025 – Apr 2028) · President's List · Honors Program