

Christian Campbell

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Skills & Certifications

Languages: Java, Python, TypeScript, C#, PostgreSQL, SQL, Assembly

Frameworks & Tools: Spring Boot, Docker, AWS (Bedrock, SageMaker, EC2), GitLab CI/CD, GitHub Actions, ActiveMQ, ZeroMQ, Protobuf, Amplitude, Ansible, Unity, REST APIs, RAG

Methodologies: DevSecOps, Agile/Scrum, CI/CD, SAST/SCA, Distributed Systems, Data Analytics

Certifications: CompTIA Security+, Microsoft Networking Fundamentals

Professional Experience

Associate Software Engineer June 2023 – Present

Lockheed Martin Rotary and Mission Systems — Denver, CO

- Architected and delivered a Java Spring Boot integration service for an Unmanned Vehicle (UxV) autonomous platform, bridging ZeroMQ, ActiveMQ, REST APIs, and Protobuf serialization across distributed subsystems in a multi-team environment.
- Engineered Dockerfiles and containerization strategies for microservices, improving deployment consistency across development, staging, and production environments; coordinated rollouts via Ansible automation.
- Implemented end-to-end GitLab CI/CD pipelines incorporating SAST, SCA, and dependency audit reporting, achieving 100% secure code baseline across backend and frontend repositories.
- Developed Unity/C# UI components and event-driven scripts to enhance autonomous vehicle operator interfaces, improving situational awareness and mission control UX.

Software Engineer Intern May 2024 – August 2024

Trimble Inc. — Westminster, CO

- Deployed and optimized large language models (LLMs) and foundation models using Amazon Bedrock and AWS SageMaker; configured model parameters, built knowledge bases, and implemented Retrieval-Augmented Generation (RAG) pipelines for on-demand text generation.
- Extended analytics event handling for Apple platform users in Amplitude, improving accuracy of activation tracking and user property attribution across the analytics pipeline.
- Configured Cross-Origin Resource Sharing (CORS) in the Entitlements API CDK stack, enabling secure cross-domain communication for SketchUp web properties; implemented CORS middleware for GET and POST handlers.
- Authored integration tests for new feature branches, maintaining reliability and regression coverage across an actively extended production codebase.

Client Hardware Technician June 2021 – June 2023

Metropolitan State University of Denver — Denver, CO

- Administered domain servers, managed user/machine certificates, and resolved physical network issues to maintain uptime and security posture across thousands of faculty, staff, and student devices.
- Built a Bash-based automation tool for fault detection on Windows and macOS systems, streamlining routine maintenance workflows and reducing manual technician check time.

Education

Master of Science, Data Analytics & Computer Science In Progress

CSU - Fort Collins, CO

Bachelor of Science, Computer Science December 2024

Metropolitan State University of Denver — Denver, CO