

Cameron Cary

Chico, CA • cameroncary00@gmail.com • (530) 838-0049

Summary

Backend-focused software engineer with 6 years of coding experience and 2 years of professional experience delivering scalable, data-driven backend and full-stack web applications for the California government. Skilled in architecting integrations, APIs, and ETL pipelines, streamlining workflows, and building custom DevOps and observability tools to improve reliability and efficiency. Adept at translating business needs into clean, maintainable code and mentoring new developers.

Core Competencies

Languages & Frameworks:

- PHP, Python (Flask, Django), JavaScript (TailwindCSS, Next.js), SQL, C, Go

DevOps & Tools:

- Git/GitHub, Docker, Linux (Debian), WSL, Custom Monitoring Utilities

Specialties:

- Backend & API Development, ETL & Data Pipelines, System Architecture, Observability & Monitoring, Full-Stack Web Development, Object-Oriented Programming

Experience

CalTrans, Capital Outlay Support Data Management Unit

Analyst I C (Software Engineer)

March 2024 - Present

- Architected and deployed production-ready apps replacing legacy systems, cutting delivery time by **90%**.
- Conducted stakeholder meetings, translating technical concepts for non-technical audiences.
- Designed and implemented backend services and APIs supporting full-stack data-portal applications.
- Developed in-house DevOps monitoring tools, improving observability and diagnostics.
- Authored technical documentation and proposals to improve maintainability and knowledge transfer.
- Collaborated in designing innovative system architecture, contributing to efficient and scalable solutions.
- Designed ETL pipelines integrating multiple data sources to support project insights.
- Mentored interns on Git workflows, system architecture, and development best practices.

Education

Butte College, Computer Programming AAS

Completed December 2024

- Coursework includes Web Development, Algorithms, Database Management, and Linux.

Projects

Nikke

PHP, SQL, SQLServer, JavaScript, Tailwind, HTML5, GIT

- Engineered a DevOps utility for monitoring and observability across the CalTrans Data Management Unit software suite.
- Designed backend services for centralized observability and deployment health monitoring across multiple applications.
- Automated database synchronization checks in the code promotion pipeline, ensuring dev/test/prod environments remained in sync before deployment.
- Compared schema definitions and flagged discrepancies, reducing release errors and improving deployment confidence.
- Provided analytics on application usage, user behavior, and system performance, driving data-informed development decisions.

Construction Webtool

PHP, SQL, SQLServer, JavaScript, Tailwind, HTML5, GIT

- Designed backend data models and APIs to support employee, project, and contractor management at scale.
- Replaced the North Region Construction Administration division's FileMaker system with a custom-built web platform.
- Centralized management of employees, projects, and contractor associations, reducing administrative overhead.
- Automated compliance tracking for contractor labor obligations, improving regulatory accuracy and oversight.
- Delivered a scalable system architecture that supports ongoing feature growth and cross-project reporting.