

Cameron Joseph

Software Engineer II

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Professional Summary

Mid-level Software Engineer with strong experience building and maintaining scalable backend and full-stack applications. Proven ownership of production systems, RESTful APIs, and data-driven applications with a focus on reliability, performance, and clean architecture.

Work History

Application Developer II — Superior Court of San Bernardino

September 2024 - Now

- Built **end-to-end applications supporting court operations**, including backend services, data models, and user-facing interfaces using **C#, .NET/ASP.NET, and Entity Framework**.
- Designed **scalable SQL Server databases** using **T-SQL, indexing, and query optimization** to support efficient retrieval and processing of large datasets.
- Built **CI/CD pipelines with GitHub Actions** to automate **test coverage, regression testing, and deployments across development, staging, and production environments**.
- Stabilized a **critical budget request system** by implementing improved validation, structured logging, and monitoring, reducing error reports from **~500 per week to under 20** and improving incident response.

Software Engineer (Backend) — Vyant Bio (aka Stemonix)

December 2020 - January 2023

- Enhanced a **Python backend codebase** using **Flask, Pandas, and NumPy** for scientific data processing and analytics.
- Built and maintained **data pipelines integrating PostgreSQL with Databricks**, supporting research and journal data workflows.
- Leveraged **AWS S3 and Lambda** to implement scalable storage and serverless data processing.
- Collaborated with **scientists and cross-functional teams** to design backend architecture and translate research requirements into scalable data ingestion systems.

Software Engineer (Full Stack) — Housecall Pro

February 2019 - November 2019

- Developed a **self-service website creation platform** that enabled **~1,500 websites for home-service professionals**, generating nearly **\$100K in revenue**.
- Built and maintained **RESTful APIs using Ruby on Rails**, following MVC architecture.
- Developed **dynamic front-end interfaces using React, React Hooks, and Redux**, allowing professionals to create and manage their websites.
- Maintained **CI/CD workflows and automated testing with RSpec unit and integration tests** to ensure application reliability.

Software Engineer (Full Stack) — Axure Software Solutions

June 2017 - January 2019

- Developed **web applications** using **C#/ASP.NET** and backend **MySQL databases**.
- Owned **mobile app development** for **iOS and Android** using **C# and Xamarin**.
- Built and maintained **full-stack features**, integrating backend APIs with JavaScript-driven interfaces.

Skills

Backend / Frameworks

- Python:** Flask, Django, Numpy, Pandas, PyTest
- C#:** ASP.NET Core, Entity Framework Core (EF Core)
- SQL:** SQL Server, PostgreSQL, MySQL
- REST APIs**

Frontend / Web

- Javascript:** Node.js, Jest
- React, Redux (state management)
- HTML, CSS

CI/CD (Continuous Integration / Continuous Delivery)

- AWS (S3, Lambda), GitHub Actions