

Danial Bahrami Siavashani

Full-Stack & Backend Engineer

Stockton, CA · danialsiavashani@gmail.com · (209) 451-8927

linkedin.com/in/danial-siavashani-87b23b295 · github.com/danialsiavashani · danialbahrami.com

Professional Summary

M.S. Computer Science student (GPA: 4.0) with a track record of designing and shipping production systems across backend engineering, full-stack development, and applied machine learning. Experienced with REST API design, JWT authentication, relational databases, containerized microservice deployments, and CI/CD pipelines using Java, Python, and TypeScript. Comfortable owning projects end-to-end, from architecture through deployment.

Education

CSU Chico — M.S. Computer Science, In Progress · GPA: 4.0 · Expected December 2027

CSU Stanislaus — B.S. Computer Science · 2020

Projects

AlcheMatch · alchematch.com — Full-Stack Job Portal Platform

Next.js · TypeScript · Spring Boot · PostgreSQL · JWT · Cloudflare R2 · AWS SDK v2 · Docker · Render · Vercel · Tailwind CSS · shadcn/ui

- Designed and deployed a production job portal with three enforced roles (candidate, company, super admin), centralizing authorization in a dedicated guard layer.
- Built a role- and content-type-gated presigned upload system (Spring Boot + AWS SDK v2 + Cloudflare R2) so files upload directly from client to storage, bypassing the application server.
- Engineered a company verification pipeline rendering structured application forms to PDF server-side, plus a hiring pipeline with server-enforced status transitions and structured rejection reasons.
- Configured CI/CD pipelines via Render and Vercel with zero-downtime auto-deploy on every push to master.

Iris Brewery · irisbrewery.com — Full-Stack SaaS Platform

Next.js · TypeScript · Django REST Framework · OpenCV · PostgreSQL · Docker · Stripe · Cloudflare R2

- Designed and deployed a production SaaS platform transforming photos into 6 artwork styles using classical computer vision, architected as three independently containerized services.
- Built an OpenCV image-processing microservice with multi-stage Docker builds separating compilation from runtime.
- Implemented JWT authentication, per-user quota-based rate limiting, Stripe subscription billing with signature-verified webhooks, and Cloudflare R2 object storage.
- Configured CI/CD pipelines via Render and Vercel with zero-downtime auto-deploy on every push to main.

AI Assistant App — Full-Stack Multi-Provider LLM Platform

Python · FastAPI · Next.js · TypeScript · SQLAlchemy · Claude API · DeepSeek API · Gemini API

- Built a full-stack AI assistant with project-scoped chat, hierarchical prompt control, persistent memory, and SQLAlchemy-backed storage.
- Implemented provider-agnostic routing across DeepSeek, Claude, and Gemini with capability-aware handling for text and image.
- Refactored backend into focused services for orchestration, context, memory, retrieval, and model capability routing.

Project Mr. X — Wildlife Monitoring System (In Progress)

PyTorch · EfficientNet · YOLO · FastAPI · PostgreSQL · Next.js · Raspberry Pi

- Trained a custom EfficientNet species classifier and baseline CNN in PyTorch for a wildlife animal re-identification system.
- Integrating YOLO detection as the front-end stage of a two-stage pipeline feeding into the trained classifier.

Skills

Languages: Java, Python, TypeScript, JavaScript, SQL

Backend: Spring Boot, FastAPI, Django REST Framework, REST APIs, JWT, RBAC, Flyway

Frontend: React, Next.js, Tailwind CSS, shadcn/ui, React Hook Form, Zod

Databases / ORMs: PostgreSQL, MySQL, SQLite, SQLAlchemy, JPA/Hibernate

Cloud / DevOps: Docker, Render, Vercel, Cloudflare R2, AWS SDK v2, GCP, CI/CD

AI / ML: PyTorch, YOLO, EfficientNet, CNNs, Transfer Learning, Computer Vision, LLM APIs

Tools: Git, Postman, JUnit, MockMvc