

Zara Q. Vellantis

Senior Software Engineer & AI Solutions Architect

zara.vellantis@fakemail.xyz | +1 (415) 555-0192 | San Francisco, CA | linkedin.com/in/zaravellantis-7x9q2

PROFESSIONAL SUMMARY

Results-driven software engineer with 9+ years of experience designing and deploying scalable backend systems, AI/ML pipelines, and cloud-native applications. Proven track record leading cross-functional teams and delivering high-impact products across fintech, proptech, and SaaS domains. Passionate about applying AI to solve real-world problems.

WORK EXPERIENCE

Senior Software Engineer — AI & Platform

Jan 2021 – Present

NovaTech Solutions, San Francisco, CA

- Architected a real-time video analytics platform processing 2M+ data points daily using PostgreSQL/pgvector, Airflow, and AWS ECS.
- Led a team of 6 engineers to ship an ML recommendation engine (LightGBM + collaborative filtering) that improved user engagement by 34%.
- Designed and deployed a multimodal AI pipeline (VLM + LLM) for automated content analysis, reducing manual review time by 70%.
- Implemented CI/CD pipelines with GitHub Actions and Terraform, cutting deployment time from 2 hours to under 15 minutes.

Software Engineer — Backend & Data

Mar 2018 – Dec 2020

FinBridge Corp, New York, NY

- Built high-throughput REST APIs (NestJS/FastAPI) serving 500K+ daily active users with 99.95% uptime SLA.
- Developed an internal ML model for fraud detection using XGBoost, reducing false positives by 22%.
- Migrated legacy monolith to microservices on AWS, reducing infrastructure costs by 40%.

Junior Software Developer

Jun 2015 – Feb 2018

Brightline Digital, Austin, TX

- Developed and maintained full-stack web applications using React and Node.js for 15+ enterprise clients.
- Integrated third-party APIs (Stripe, Twilio, Google Maps) into client platforms, accelerating feature delivery.

EDUCATION

Bachelor of Science in Computer Science

Aug 2011 – May 2015

University of Washington, Seattle, WA | GPA: 3.8 / 4.0

SKILLS & TECHNOLOGIES

Languages	Python, TypeScript, Go, SQL, Bash
Frameworks	FastAPI, NestJS, React, LangChain, pydantic-ai
AI / ML	PyTorch, Hugging Face, LightGBM, Unsloth, pgvector, ONNX
Cloud & Infra	AWS (ECS, Lambda, S3, RDS), Docker, Terraform, GitHub Actions
Databases	PostgreSQL, Redis, MongoDB, Elasticsearch

CERTIFICATIONS

- AWS Certified Solutions Architect – Professional (2023)
- Google Professional Machine Learning Engineer (2022)
- Certified Kubernetes Administrator – CNCF (2021)