

Francisco de Guzman | Principal AI Full-Stack Dev

Irvine, CA | 818.457.1095 | ciscodg@gmail.com | franciscodeguzman.net

linkedin.com/in/franciscodg | github.com/daedalusapps | github.com/franciszver | franciscodeguzman.net

TECHNICAL SKILLS

- **Front End:** React, Next.js, Angular, Vue.js, TypeScript, JavaScript, Redux/NgRx
- **Back End:** C#/.NET Core, Node.js/Express, FastAPI (Python), PHP, REST APIs, GraphQL, SQL
- **AI / LLM:** AWS Bedrock (Claude Sonnet 4.6, AgentCore), Agentic RAG, Context Engineering, Vector Search (embeddings), LLM Evals, LangGraph
- **Cloud / Data:** AWS (Bedrock, ECS Fargate, Cognito, S3), Azure, CI/CD | Okta, SSO, AD

PROJECTS

ARIA (Aggregated Research & Intelligence Advisor) - Next.js, NestJS, AWS Bedrock, CDK

- AI marketing intelligence platform for BISSELL: natural-language queries over proprietary consumer research and Redshift analytics with inline AI-generated chart visualizations; delivered to internal beta
- Multi-agent orchestration via Bedrock SUPERVISOR_ROUTER - orchestrator over qualitative knowledge bases delegating to a Redshift sub-agent for SQL-backed analytics; custom CDK construct for zero-downtime agent deploys; security audit across auth flows, IAM policies, and agent input validation, hardened on findings

AgentForge - 3-repo series - Python/FastAPI, Ollama + llama.cpp, OpenEMR, Docker

[Phase 1](#) | [Phase 2](#) | [Phase 3](#)

- Phase 1 - fully local, verification-backed clinical AI agent in an OpenEMR EHR: Qwen3-4B (Q4) on Ollama, isolated Docker network, zero egress so PHI never leaves the machine; every claim re-checked against raw records (100% citation accuracy)
- Phase 2 - multimodal evidence agent: document ingestion with hybrid BM25 + dense retrieval and a local reranker, citation-grounded answers; a 50-case golden-set eval suite wired as a PR-blocking CI gate
- Phase 3 - adversarial red-team platform: an attack agent generates exploits, an independent judge scores them across a separate trust boundary, confirmed findings become regression tests in CI; mapped to the OWASP LLM Top 10

ElevareAI - FastAPI, React, PostgreSQL, Render

[GitHub](#) | [Demo](#)

- Adaptive AI tutoring companion: Elo-based difficulty, multi-factor confidence scoring, inactivity nudges; async job/webhook architecture absorbs model latency; migrated from AWS ECS Fargate + Cognito to Render with self-hosted JWT; 600+ tests

LexForge - React 19, TypeScript, Node/Express, PostgreSQL, Socket.IO

[GitHub](#)

- AI-assisted demand-letter drafting for law firms: clause library, Bluebook citation formatting, real-time multi-user collaboration; 541 frontend tests plus a server suite, CI-gated, live demo deployed

Clarif-Eye - Python, LangGraph, Gradio, OpenRouter

[GitHub](#) | [Demo](#)

- LangGraph accessibility tech demo: photo to verified audio for visually impaired users; subgraphs, Send fan-out, checkpointing, and a human-in-the-loop interrupt that blocks unverified numbers before speech; CI-tested, live on Render

Daedalus Notes - Kotlin/Compose, MediaPipe, sherpa-onnx, Room, BLE

[GitHub](#)

- Reverse-engineered proprietary GATT protocol (ELVANZA FW920 recorder) for BLE file transfer; on-device pipeline runs Whisper STT -> Gemma 3 1B summarization with zero data leaving the device

EXPERIENCE

BISSELL Homecare, Inc., Grand Rapids, MI (Remote) - Principal AI Full-Stack Developer JAN 2026 – JUL 2026

- Report directly to SVP of IT
- Designed CX-Brain (ARIA), an internal AI marketing-intelligence platform (see Projects); led the migration to AgentCore + Agentic RAG; ran a security audit and hardened the application on findings
- Run company lunch-and-learns to upskill engineers on AI development
- Provide insight, guidance on AI-related decisions, incoming vendors, and projects.

GauntletAI, Austin, TX - AI Context Engineer Champion (Cohort 3) OCT 2025 – DEC 2025

- 150 selected from 8,900 applicants; shipped 17 deployed, demoable AI apps in 10 weeks (100+ hrs/week), including ElevareAI and MathPhoenix, with recorded-replay LLM eval gates in CI; VS Code extension at DaedalusApps

UCLA Digital & Technology Solutions, Los Angeles, CA - Application Programmer III AUG 2023 – NOV 2025

- Led Next.js + AWS self-service portal (40,000+ users) and AI Wildfire App/CustomGPT (OpenAI); delivered 1000x performance boost (40s to 40ms) on a legacy campus app

LivePerson Inc., New York, NY (Remote) - Software Engineer II 2021 - 2023

- VueJS multi-service integrations (Salesforce, Medallia) for enterprise Agent Dashboard; led GitHub to GitLab migration with CI/CD updates (Frontier CDN, TeamCity)

Bio-Rad Laboratories Inc., Irvine, CA - Software Dev Engineer II 2015 - 2021

- Full-stack Angular/NgRx + C# .NET Core for Unity Next; Okta auth, Azure CI/CD; mentored interns to 3 direct hires; BlazeMeter/JMeter/CloudWatch performance testing

Earlier: QA/Software Test - imATHLETE (QA Manager, 2013-2015), CyberCoders, Rapid7, Symantec (2006-2012)

EDUCATION & CERTIFICATIONS

University of California, Los Angeles - B.S. Cognitive Science (Learning, Computing & AI) 2006

Certifications: GauntletAI Champion (2025) | Google Data Analytics (2023) | Microsoft Certified Professional (2009) | AWS Solutions Architect (In Progress)