

FERNANDO MILLAN

Full-Stack Software Engineer | Remote (U.S.)
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SUMMARY

Full-Stack Software Engineer specializing in production-ready SaaS platforms, scalable backend systems, and UX-driven interfaces. Experienced in designing end-to-end architectures—from relational schema design and secure authentication systems to cloud deployment and CI/CD automation. Strong DevOps foundation with AWS, Docker, Nginx, and monitoring pipelines. Passionate about building efficient, intuitive systems that improve real-world workflows.

TECH STACK

Languages: TypeScript, JavaScript, Python, SQL

Frontend: React, Next.js, HTML, CSS

Backend: Node.js, Express, Flask

Databases: PostgreSQL, Prisma, Redis, Supabase

DevOps: AWS EC2, Docker, Docker Compose, Nginx, GitHub Actions, CI/CD

Other: REST APIs, WebSockets, Stripe, OpenAI API, LangChain

EXPERIENCE

Independent Software Engineer / Founder — Remote (2020–Present)

- Designed and deployed full-stack SaaS platforms with secure authentication, RBAC systems, and optimized relational database schemas.
- Sold a complete production software system to a paying client, delivering custom business intelligence tooling and data workflows.
- Architected containerized infrastructure using Docker, Docker Compose, AWS EC2, and Nginx reverse proxy.
- Built and maintained CI/CD pipelines via GitHub Actions.
- Implemented Redis caching strategies to improve backend performance.
- Integrated AI APIs into automation pipelines to streamline business processes.
- Mentored junior engineers and collaborated on system architecture and feature delivery.

Software Engineer (Freelance) — Remote (2016–2020)

- Delivered custom web platforms including CRM systems, dashboards, and e-commerce applications.
- Designed PostgreSQL schemas from scratch tailored to client workflows.
- Integrated Stripe payment systems and analytics pipelines.
- Translated business requirements into scalable, maintainable technical systems.

PROJECTS

TeamFlow — Work Management Platform

Production-ready full-stack SaaS demonstrating secure authentication, role-based access control, and task lifecycle management. Built with React, TypeScript, Node.js, PostgreSQL, Docker, and AWS.

DevCollab — Developer Collaboration Platform

Full-stack collaboration system combining technical publishing (Markdown with syntax highlighting) and structured workspaces with RBAC architecture. Built with React, Node.js, PostgreSQL, Redis, and WebSockets.

EDUCATION

Bachelor's in Computer Science (or equivalent experience). Continuous focus on AI systems, scalable backend architecture, and developer productivity tooling.