Carlos Vara

Senior Full Stack Engineer | AI Engineering

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Summary

Senior Full Stack Engineer and AI Engineering practitioner with 7+ years building and leading the delivery of scalable web applications across eCommerce, SaaS, B2B, and insurtech. Expertise in React, TypeScript, Node.js, Python (Flask, Django), Elixir/Phoenix, Go, Rust, and C++/C#. Builds production agentic programming workflows with Claude Code, Cursor, and GitHub Copilot.

Experience

Senior Full Stack & AI Engineer, Confidential Insurtech Client

2026 – Present

Full stack support for a non-disclosed insurtech client's core platform, leading the adoption of AI-assisted engineering across the ticket-to-deployment workflow.

- Deliver full stack features across a Python/Flask REST API, PostgreSQL (SQLAlchemy), Celery workers, and gRPC / Protocol Buffers service contracts.
- Build React and TypeScript frontends in an Nx monorepo consuming GraphQL through a Backend-for-Frontend (BFF) layer.
- Ship containerized services with Docker, Kubernetes, and CI/CD under a strict change-management process.
- Designed agentic programming workflows with Claude Code, Cursor, and GitHub Copilot that turn tickets and acceptance criteria into implementation plans, code changes, test plans, and test evidence, reducing documentation and validation effort by an estimated 30%.
- Authored reusable agent instructions (AGENTS.md / CLAUDE.md, rules, slash commands, and skills) that encode team coding standards and phased workflows with explicit review gates.

Lead Software Engineer, Tensure

2025 – Present

Embedded engineer on Intuit's Mailchimp, delivering high-velocity experimentation and customer retention initiatives, plus Webflow and cloud engineering support.

- Design and implement A/B tests and stealth experiments within a large PHP/Node.js monolith and React frontend to measure the impact on churn reduction and user growth.
- Translate product hypotheses into production-ready code using React, Vanilla JavaScript/TypeScript, and PHP.
- Provide cloud solutions and deployments on Google Cloud Platform (GCP).
- Deliver Webflow CMS and custom component work for the company website.

Cognizant

Full Stack Developer 2021–2023 · Lead Developer 2023–2025

Led a team of 4 developers in the migration and modernization of a major client's eCommerce platform through micro front-end architecture and server-side technologies.

- Developed micro front-ends using React, integrated with CMS (Drupal), for +20 brands in around 150 countries.
- Spearheaded platform migration to a server-side rendering (SSR) stack with Node.js, Elixir, Phoenix, and Storyblok, improving page load times by 30%.
- Designed global reusable components for a design library with localization and brand-adaptive styling using React, WebComponents and design tokens.

Full Stack Developer, Density Labs

2020 – 2021

Developed and maintained a B2B platform for real estate, enhancing contract management and data visualization for brokers.

Backend Developer, Robert Bosch
2019 – 2020
Restructured an internal e-Learning application and developed a B2B industrial inventory management platform with mobile support.

Skills

Core: Python, Flask, Django, SQL / PostgreSQL, JavaScript / TypeScript, Node.js, React, Express.js, REST API, GraphQL, Docker, Kubernetes, Elixir, Phoenix / LiveView, Go, Rust, gRPC / Protobuf, OpenAPI, SQLAlchemy, Celery, MongoDB, React Native, Redux, Mobx, Web Components, Vite, Nx / Turborepo, Next.js, Webflow, Playwright, CSS, Sass, Tailwind, Styled Components, CI/CD, GitHub Actions, Jenkins, Google Cloud (GCP), AWS Cloud, Drupal

AI Engineering: Agentic Programming, Claude Code, Cursor, GitHub Copilot, Prompt Engineering, Context Engineering, AI Agent Workflows, Model Context Protocol (MCP), LLM Integration, Ollama / Mistral, Transformers.js / ONNX, AI-Assisted Code Review

Soft: Clean Code, Code Scalability, Functional Programming, Assertive Communication, Remote Work Experience, Leadership, Conflict de-escalation, Technical Writing, Native Spanish Skills, English C2 Skills, Cross-functional Collaboration

Certifications

Google Cloud Certification — Google Cloud, in progress (2026)

AI Tooling & Agentic Development Certification — Professional certification, in progress (2026)

Google Data Analytics Professional Certificate — Google, 2024

AWS Certified Cloud Practitioner — Udemy, 2022

SCRUM Foundations — CertiProf, 2020

English Certificate 81-100 C2 Proficient — EF SET, 2019