

# Vijay Gaonkar

Greater Sacramento, CA • 530-591-3527 • developer.vrg@gmail.com • LinkedIn: vijaygaonkar • GitHub: vgaonkar

## SUMMARY

---

Engineer building AI developer tooling that multiplies team output — multi-agent orchestration workflows across Claude Code, Codex, and Copilot. 15+ years in software engineering — full-stack delivery across EdTech ERP and adjacent domains, mentoring engineers across teams, and meeting deadlines leadership called unattainable.

## EXPERIENCE

---

**Senior Software Engineer (Promoted)** | Frontline Education, Roseville, CA Jan 2021 – Present

- Co-led an AI-orchestrated development pilot integrating five specialized agents (planning, research, code review, frontend, accessibility) across the ERP platform team — shipped 2–3 complex API/UI features through the pipeline with zero critical defects, WCAG AA compliance with minimal accessibility rework, and reduced rework vs. team baseline.
- Engineered a 6-skill custom Claude Code library (phase-plan, phase-resume, phase-complete, deep-verify, session-wrap, plan-and-verify) for agent-to-agent handoffs across planning, code review, test generation, and deployment prep — same handoff patterns reused in companion Codex and Copilot skill libraries; applied daily across active engineering work.
- Set technical direction on a cross-product integration between a new application and the legacy K-12 ERP — designed a uni-directional foreign-key linkage that delivered cross-product functionality without modifying the ERP schema, preserving the live customer contract and unblocking the dev/QA team.
- Led AP-Payments and Payments by Line Items against deadlines management called "originally thought unattainable" — designed a follow-the-sun workflow with offshore developers and AI-augmented dev tooling that lifted sprint velocity ~2.5x (22→62 points), shipping release-ready code across 6-8 sprints with a brand-new team where I was the sole codebase expert.
- Mentored 5 engineers across two product teams — 3 new hires onboarded to a new codebase plus 2 cross-team knowledge transfers on release tooling — accelerating their ramp to independent feature delivery.
- Drove Snyk IDE plugin adoption to 100% coverage across web developers and implemented Snyk "hard gates" in pull requests, reducing the critical and high-severity vulnerability backlog across web teams.
- Selected by engineering leadership to demonstrate AI agent capabilities at a company-wide Copilot Guild session.

**Software Engineer 2** | Frontline Education, Roseville, CA Jan 2020 – Dec 2020

- Delivered requisition and payment features adopted across K-12 school district customers.
- Shaped architecture decisions and technical direction for a modern Angular SPA serving K-12 administrative workflows.
- Defined and executed the product roadmap with cross-functional stakeholders, balancing technical debt reduction with quarterly feature delivery.

**Software Developer** | Escape Technology, Roseville, CA Jul 2014 – Dec 2019

- Accelerated the requisition process by designing and implementing third-party vendor integrations using the cXML PunchOut protocol.
- Spearheaded organization-wide migration of 15+ years of source code from Subversion to Git and rolled out GitFlow across an ERP platform deployed at 26+ California county offices of education.

**Graduate Teaching Assistant** | California State University, Chico, Chico, CA Jan 2013 – May 2014

- Delivered lectures and lab sessions to 30+ students in data structures, algorithms, and problem-solving.
- Mentored students individually and in groups, strengthening programming fundamentals and improving assignment completion rates.

**Associate Software Engineer** | Spry Resources, Goa, India Jan 2011 – Nov 2011

- Resolved critical technical tickets with high reliability, maintaining customer satisfaction.
- Translated customer requirements into technical specifications for functionality, scalability, and performance alongside senior developers.

**Associate Software Engineer (Part-Time)** | IMS CAD Centre, Goa, India

Jun 2006 – Dec 2011

- Accelerated bug resolution through systematic reproduction, testing, and documentation of production issues.
- Spearheaded restructure of internal product and process documentation, enabling faster onboarding for new hires and accelerated customer support resolution.

## SKILLS

---

**Languages:** C# | TypeScript | JavaScript | Python | T-SQL | HTML/CSS

**AI & Automation:** GitHub Copilot | ChatGPT Enterprise | Claude Code | Codex | OpenCode | Prompt Engineering | AI-Assisted Code Review

**AI Systems & Agentic:** Multi-Agent Orchestration | Model Context Protocol (MCP) | Large Language Models (LLMs) | Retrieval-Augmented Generation (RAG) | Agent-to-Agent Handoffs | Custom Agent Workflows

**Frontend:** Angular | React | Next.js | Tailwind CSS | Framer Motion

**Backend & Data:** .NET Core | ASP.NET | Node.js | Express | Entity Framework | Dapper | SQL Server | PostgreSQL | MongoDB

**Testing & Security:** xUnit | Jest | Playwright | Snyk | SonarQube | Veracode | Contrast

**Cloud & DevOps:** Azure (Container Apps, Static Web Apps, PostgreSQL) | Docker | Git | Jenkins | Vercel | REST | GraphQL | gRPC | SOAP | cXML PunchOut

**Architecture & Leadership:** System Design | Technical Leadership | Cross-Team Collaboration | Mentorship | ADR / RFC Authorship | Agile/Scrum | TDD | CI/CD

## PROJECTS

---

**Custom Claude Skills (+ Codex, Copilot companions)** — Multi-agent dev workflow library composing AI coding agents into reusable skills across three vendors.

Library of 6 composable Claude Code skills (phase-plan, phase-resume, phase-complete, deep-verify, session-wrap, plan-and-verify) for agent-to-agent handoffs across planning, code review, verification, and session orchestration. Companion libraries `custom-codex-skills` (OpenAI Codex) and `custom-copilot-skills` (GitHub Copilot) share the same handoff patterns — applied daily across active engineering work.

**Tech: Claude Code, OpenAI Codex, GitHub Copilot, Model Context Protocol (MCP), Multi-Agent Orchestration, TypeScript, Bash**

**QuickFlip** — AI-first multi-provider listing PWA with provider-agnostic LLM abstraction over eBay marketplace API.

Working prototype: drafts marketplace listings from photos using a provider-agnostic LLM abstraction routing across multiple model vendors for text and vision; integrates eBay marketplace API for live category and pricing data.

**Tech: Next.js, TypeScript, PWA, OpenAI, Anthropic, Gemini, eBay API**

**Sourdough Pre-Order** — Pre-order commerce site with Stripe and SELECT FOR UPDATE overselling prevention.

Production-ready pre-order commerce site built for a small-business owner, awaiting brand finalization before launch: Stripe Checkout, weekly bake-window inventory, and row-level SELECT FOR UPDATE locks on the order path to prevent overselling under concurrent purchase requests.

**Tech: Next.js, TypeScript, Stripe, PostgreSQL, Drizzle ORM**

*Source repositories private; walkthrough and code review available on request.*

## AWARDS

---

**"Build Value" Core Value Award** — Frontline Education (2026) • **Frontline Pillar Award** — Frontline Education (2020) • **Employee of the Quarter (x2)** — Escape Technology (2017 & 2018)

## CERTIFICATIONS

---

AI/ML Foundations (DeepLearning.AI) • AI & Machine Learning (LinkedIn Learning)

## EDUCATION

---

**M.S. CS** — CSU Chico, 2014 • **B.E. CE** — Goa University, 2010