

Dev Ganugapenta

West Palm Beach, FL · Remote (US)

Senior Software Engineer · Full-Stack & AI Applications

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Senior full-stack engineer who takes products from zero to market. Built four startup products end to end in the past year as founding engineer, two of them now generating revenue, and delivered enterprise AI platforms for corporate clients, including one presented at Web Summit 2025. Works in TypeScript, Next.js, and PostgreSQL with strong production LLM experience, owning everything from data model to deployment and incident response.

SKILLS

Languages: TypeScript, JavaScript, SQL, Python

AI / LLM: OpenAI and Anthropic APIs (GPT-4o, Claude), structured output and tool calling, streaming, RAG with Pinecone embeddings, agent workflows (LangGraph, n8n), generative image and video (fal.ai, Tavus), transcription and media pipelines, human-in-the-loop review systems

Frontend: React 19, Next.js App Router (server components and server actions), Tailwind CSS, Framer Motion, TipTap rich-text editing, React Hook Form, Zod validation, Zustand, data visualization

Backend & Data: Node.js, PostgreSQL (schema design, migrations, row-level security), Supabase, REST and GraphQL API design, Shopify headless commerce, Clerk and Supabase Auth (OAuth), signed webhooks, cron jobs, transactional email (Resend), Google Maps Platform

Payments: Stripe subscriptions and customer portal, tiered and usage-based pricing, atomic credit ledgers with escrowed spend and automatic refunds, idempotent webhook processing

DevOps & Observability: Vercel (edge, serverless, cron), CI/CD pipelines, Sentry across edge and server runtimes, Playwright end-to-end testing

Architecture & Practices: Multi-tenant SaaS design, event-driven and idempotent systems, production incident response, release QA processes, technical proposals and scoping

EXPERIENCE

Independent Product Engineer · Self-employed · Upwork Top Rated Plus

2025 – Present

Full-stack and AI product development for startups and enterprise clients. The ventures and platforms below were built through this practice.

- Built four startup products from zero to market as founding engineer, two now generating revenue, alongside enterprise platform delivery for corporate clients.
- Top Rated Plus on Upwork with 100% Job Success; every completed engagement rated 5.0.
- Typical scope runs from data modeling and API design through deployment, monitoring, and production incident response.

Lead Engineer · Leading with AI, a Limpid&Co division (contract)

Oct 2025 – Jun 2026

AI Navigator, an enterprise AI readiness platform. Live at navigator.leadingwith.ai.

- Built the in-app GPT-4o assistant. Beyond answering questions, it can open the relevant screens and run analyses on the user's behalf.
- Wrote a sentiment engine that maps survey responses across 25 zones (five resistance reasons against five discomfort levels), applied to 1,000+ employee responses.
- Added an eight-dimension capability maturity model scored against industry benchmarks, with automated gap detection.
- Delivered Phase 1 ahead of the client's Web Summit 2025 presentation; the platform is live in production.
- Wrote the Phase 2 proposal, including team structure and budget, and won the follow-on contract.

Founding Engineer · Dyia (contract)

May 2026 – Jun 2026

Field-service SaaS for service businesses. Live at dyia.io with paying subscribers.

- Built the entire product from zero in two months, roughly 70 API routes covering dispatch, invoicing, and job profitability, and took it live to paying subscribers.
- Set up tiered Stripe subscriptions with signed webhook verification and idempotent plan grants.
- Added an Anthropic-powered reporting assistant that works from live job and profit data.
- Instrumented Sentry across edge and server runtimes and used it to trace and fix a live billing incident.
- Wrote the release QA checklist that has gated every release since.

Founding Engineer · Animalia (contract)

Apr 2026 – Jun 2026

Pet wellness e-commerce startup on headless Shopify. Live at animalia.market, pre-launch.

- Only engineer on the build; took the storefront from zero to live on Next.js 16, Tailwind 4, and TypeScript.
- Built a typed domain layer over the Shopify Storefront, Cart, and Admin APIs, 33 GraphQL operations in total.
- Wrote the merchandising engine as plain, unit-testable ranking code weighted by revenue, keeping LLM calls out of page rendering.
- Built a product photography pipeline that reads the catalog from the Admin API, generates brand-constrained images with fal.ai, and writes them back.

Sole Engineer · Company Challenges, for Limpid&Co (contract)

Apr 2026 – Jun 2026

Enterprise learning platform, delivered and invoiced. companychallenges.com

- Built the platform solo from kickoff to invoiced delivery.
- Designed the content architecture separating authored material from cohort instances, so material is written once and reused across cohorts.
- Built rich-text authoring on TipTap and lifecycle email automation on Vercel cron jobs.
- Handled production support directly, including tracing an aggregate-query failure to a PostgREST regression after a Supabase upgrade and fixing it within hours.
- Delivered and invoiced, with Stripe billing and Resend for transactional email.

Platform Engineer · Strengthening the Saints (contract, team build)

Feb 2026 – Jun 2026

Church discipleship platform on multi-tenant Postgres.

- Part of a small team on a large multi-tenant platform (84 routes, 82 database migrations), with row-level security isolating each congregation's data.
- Built the TipTap authoring experience for sermons and studies, including scripture verse insertion and text normalization.
- All work shipped through a CI pipeline running lint, typecheck, build, and Playwright smoke tests on every push.

Founding Engineer · AI Blueprint (contract)

Jan 2026 – Mar 2026

AI creative platform with a paid credit system. In market and generating revenue.

- Primary engineer from first commit through launch; the platform is in market and generating revenue.
- Designed an atomic SQL credit ledger with a non-negative balance constraint that holds up under concurrent spending.
- Built escrowed spending, where credits are reserved when a generation starts and refunded if the model fails.
- Made Stripe webhook processing idempotent and guarded against duplicate subscriptions from replayed events.
- Stack: Next.js 15, Supabase, fal.ai, Clerk.

Founding Engineer · Drip (contract)

Oct 2025 – Dec 2025

Privacy-focused AI relationship companion startup, built solo to investor-demo stage.

- Sole builder of the full product in three months: 98 API routes and 38 database migrations, taken to investor-demo stage.
- Designed dual-store memory, Postgres for structured data and Pinecone for semantic recall, with rollback across both stores when one write fails.
- Scoped memory retrieval by owner in the embedding queries themselves, so privacy between partners does not depend on prompt instructions.
- Built an operator console where a human reviews and approves every AI-drafted message before it is sent.

AI Automation Lead · Yorali USA	2023 – 2024
Boynton Beach, FL. Full-time.	
• Cut customer acquisition cost 45% and manual process load 60% with custom AI sales tooling. • Trained a team of 8 to 95% adoption; 30% lift in sales productivity.	

Business Development Manager · 4D Global (Inc. 5000)	2023
Miami, FL. Full-time. Healthcare revenue operations.	
• Improved appointment conversion 35% and qualified leads 25% through outbound automation.	

EDUCATION & CERTIFICATIONS

Harvard Business School — Credential of Readiness: Analytics, Strategy & Management	2025
McFatter Technical College — Technical Degree, Computer Science & Network Support	2024
Stanford University School of Engineering — Strategic Planning Professional	2024
IBM — Python for Data Science, AI & Development Specialist	2024