

GANMARIE DUQUE

Senior Full-Stack Software Engineer

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Senior Full-Stack Software Engineer with 5+ years of experience architecting, building, and operating production SaaS platforms. Deep expertise in React, TypeScript, PostgreSQL, Supabase/PostgREST, row-level security, API design, testing, CI/CD, and third-party integrations, with end-to-end ownership spanning database architecture, backend services, customer-facing features, deployment, reliability, and production operations.

TECHNICAL SKILLS

Core Full-Stack: React, TypeScript, JavaScript, Vite, Next.js (App Router), Node.js, Tailwind, shadcn/ui

Data & Security: PostgreSQL (schema design, SQL migrations, row-level security), Supabase, PostgREST, OAuth 2.0, custom JWT claims, Prisma, Redis, TanStack

APIs & Integrations: REST APIs, webhooks, Postman, Stripe, Twilio, QuickBooks Online, Google Ads, Meta Graph API, Zapier

Testing & Delivery: Vitest, Playwright, CI/CD, Git/GitHub, Sentry, Cronitor

Cloud & Infrastructure: Vercel, Netlify, AWS (Lambda, EC2, IAM, S3), Docker, Kubernetes

AI & Automation: LLM tool calling, Claude, OpenAI, Gemini, Inngest, Upstash QStash, Remotion

Additional: Express, Django, Convex, Firebase, Clerk, ElevenLabs

PROFESSIONAL EXPERIENCE

Software Engineer

Oct 2023 – Aug 2026

Autopilot Solutions, Inc. | California, USA (Remote, Full-time)

- Owned architecture and delivery for a multi-tenant B2B SaaS platform as founding engineer, taking it from an empty repository to production across scheduling, dispatch, invoicing, payments, and telephony for 100+ companies and 1,200 daily active users
- Designed the PostgreSQL schema and SQL migrations, enforcing multi-tenant isolation at the database layer through row-level security policies driven by custom JWT claims
- Reduced message and payment delivery failures 60% through reconciliation jobs, error-specific remediation, structured logging, Sentry, Cronitor, and uptime monitoring across Twilio, Stripe webhooks, and A2P campaign rejections
- Built the full Stripe money path: Connect onboarding, subscription billing with invoice retries, cards on file, deposits, end-customer booking payments, and in-person Terminal readers
- Architected Twilio telephony handling 2K calls and 5K messages per month, automating per-company subaccount provisioning and A2P 10DLC registration through TrustHub alongside TwiML routing, recording, agent whisper, voicemail, and mobile softphone VoIP tokens
- Established the engineering quality bar with Vitest unit tests, Playwright end-to-end coverage, and CI/CD gates on every deploy; reviewed pull requests across the team codebase
- Built OAuth 2.0 authorization and webhook APIs, published Autopilot as a Zapier app, and integrated QuickBooks Online with bi-directional client, invoice, and payment sync

Technologies: React, TypeScript, Next.js, PostgreSQL, REST APIs, Stripe, Twilio, Vitest, Playwright, CI/CD, Vercel

Software Engineer

Dec 2021 – Aug 2023

Freelance & Contract | Remote (Project-based)

- Delivered three production platforms as an independent contractor across geospatial analytics, real estate CRM, and blockchain finance
- Developed Scout by Spacesium, a web platform for 3D drone spatial data analytics, working inside an existing codebase alongside a distributed engineering team, and implementing AWS IAM authentication and authorization, Lambda processing functions, and the PostgreSQL schema, deployed on EC2
- Built Omni, a CRM for real estate businesses, using Google Firebase with AWS Lambda and S3
- Architected blockchain protocols and smart contracts in Solidity and Hyperledger Fabric for Nodac Finance as sole engineer, integrated into decentralized applications through ethers.js and web3.js

Technologies: *React, TypeScript, PostgreSQL, AWS (IAM, Lambda, EC2, S3), Firebase, Solidity, Hyperledger Fabric*

Software Engineering Intern

June 2021 – Nov 2021

Bit Create IT Solutions | Manila, Philippines

- Developed and maintained responsive web applications for startup clients in WordPress, MySQL, and PHP, rotating across projects as client priorities shifted
- Debugged and resolved defects in live client sites, deploying fixes to production

RECENT PROJECTS

GhostReach — Multi-tenant B2B outreach platform

ghostreach.xyz

- Built a platform where agencies run SMS, voice, and email campaigns for their own client rosters under one account, with per-tenant data isolation enforced by Supabase row-level security
- Integrated 13 third-party providers behind a common interface, including Stripe, Twilio, Vapi.ai, Resend, Intercom, Firecrawl, Google Places, Outscraper, Apollo, and ATTOM
- Implemented white-label agency mode with per-client subaccounts, branded portals, and custom domain provisioning through the Vercel Domains API, covering registration, DNS verification, and auto-renewal

Technologies: *Next.js, React, TypeScript, Supabase/PostgreSQL, Stripe, Twilio, Vercel*

Wally OS — AI agent that builds and operates home-service businesses

wallyos.com

- Built LLM tool definitions that let the agent register domains, file LLCs, publish websites, launch Google and Meta campaigns, generate video and image ads with scheduled posts, and answer phone calls
- Ran multi-tenant hosting for customer sites on subdomains and custom domains, provisioning a Vercel project, GitHub repository, and Vercel Sandbox per tenant

Technologies: *Next.js, React, TypeScript, Convex, Clerk, AWS Lambda, Remotion, Vercel*

EDUCATION

Bachelor of Science in Electronics Engineering

Aug 2022

Technological University of the Philippines | Manila, Philippines