Nitish Devadiga

Senior Software Engineer | Full Stack, Distributed Systems & Applied AI

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SUMMARY

Senior Software Engineer with 5+ years of experience building full-stack products, distributed integrations, and production AI systems. Strong across TypeScript/Node.js, Python, Go, React/Next.js, event-driven architecture, and cloud infrastructure. Shipped enterprise integrations, multi-agent workflows, mobile products, and a founder-led SaaS from architecture through production. Comfortable owning ambiguous problems, learning unfamiliar systems quickly, and turning prototypes into reliable products.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Go
Backend & APIs: Node.js, Fastify, NestJS, Django, FastAPI, REST APIs, microservices
Frontend & Mobile: React, Next.js, React Native, Vue.js
AI & Agents: LangGraph, LangChain, OpenAI APIs, Gemini APIs, RAG, Model Context Protocol (MCP), n8n
Data & Messaging: PostgreSQL, MongoDB, Redis, Neo4j, Elasticsearch, Kafka, Debezium
Cloud & DevOps: AWS, Docker, CI/CD, Cloudflare CDN, Coolify

EXPERIENCE

Betterworks | Software Engineer II - Integrations

Nov 2025 - Present | Bengaluru, India (Remote)

- Built event-driven integrations that synchronize customer OKRs with Udemy, Azure DevOps, and LinkedIn Learning using Kafka, Debezium, Go, Python, TypeScript, and Django.
- Delivered AI-generated development steps and course recommendations for Individual Development Plans, navigating unfamiliar codebases and coordinating across teams to align architecture, scope, and delivery timelines while owning the feature end to end.
- Developed Slack and Microsoft Teams integrations for real-time notifications and bot-driven workflows across Betterworks systems.
- Prototyped an internal AI Product Management agent in n8n, connecting specialized sub-agents to GitHub, Confluence, Aha!, and internal business context through MCP and a grounded knowledge base.
- Enabled natural-language generation of PRDs, user journeys, and codebase impact analyses, with an estimated time saving of up to 20 hours per PM per sprint.

Refrens | Senior Software Engineer

May 2022 - Nov 2025 | Bengaluru, India | Promoted from Product Engineer in May 2024

- Spearheaded Freya, evolving an AI CFO from a weekend RAG prototype into a production multi-agent reasoning system using TypeScript, Fastify, and LangGraph; mentored engineers on prompt design and agent workflows.
- Built a secure text-to-MongoDB aggregation pipeline with operator allowlists and programmatically enforced tenant filters to prevent cross-customer data leakage.
- Designed a LangGraph supervisor that decomposed multi-intent requests into dependency-aware tasks across database, document, and UI-navigation sub-agents.
- Re-engineered invoice billing forms to handle 300+ line items in real time, eliminating UI lag and improving viability for enterprise customers.
- Designed a refresh-token architecture with versioned JWTs, HTTP-only cookies, granular CORS, and per-user rate limits, contributing to ISO/IEC 27001:2022 readiness.
- Led architecture and delivery of the Refrens React Native mobile application.

CryptoXpress | Product Engineer & Blockchain Developer

Jul 2021 - Apr 2022 | Mumbai, India

- Built and shipped an NFT marketplace and wallet with React Native, Next.js, Binance APIs, and Solidity in under four months for fundraising and product demonstrations.
- Developed a high-throughput Node.js service to index smart-contract events and keep backend state consistent; designed ERC-721/1155 and vesting contracts.

Pindexx | React Native Developer

Feb 2021 - May 2021 | Mangaluru, India

- Solo-developed three mobile applications and modernized legacy React Native codebases, including custom map tooling, routing, and on-device PDF generation.

FOUNDER PROJECT

Grihafy | Founder & Engineer

Jan 2025 - Present | grihafy.com

- Architected and launched an AI-powered Vastu analysis SaaS as a solo founder using Next.js 16, Fastify 5, TypeScript, MongoDB, and Redis, owning product, engineering, deployment, and iteration end-to-end.
- Redesigned floor-plan analysis as a 3-stage LangGraph pipeline powered by Gemini vision: compass detection, room detection with normalized geometry, and Vastu analysis. Direction assignment is handled deterministically in TypeScript from room geometry instead of being delegated to the LLM.
- Added production safeguards for ambiguous plans, including user-confirmed North-angle bypass, multi-zone room handling, per-floor panel geometry, UNKNOWN fallbacks when direction cannot be established safely, and deterministic scoring grounded in a canonical Vastu knowledge base.
- Streamed agent progress to the client with SSE and built an asynchronous analysis flow with idempotency checks, Redis rate limiting, background processing, and persisted analysis state; typical AI workflow completes in roughly 20-25 seconds.
- Grew acquisition through organic Google and ChatGPT traffic using technical and programmatic SEO, while operating deployments with Docker, Coolify, and Cloudflare CDN.

EDUCATION

Amity University Mumbai | BCA, Computer Applications | 2018 - 2021
Pace Junior Science College | Science | 2016 - 2018