Arafat Idris

Full-Stack Software Engineer · GIKI Graduate

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SUMMARY

Full-stack software engineer with 3+ years building and shipping products end to end in TypeScript, Next.js, React and FastAPI. Owns features across the stack: database, APIs, UI, payments, integrations and deployment. Delivered four production platforms spanning AI app generation, a two-sided marketplace, digital memorials and multi-tenant digital health, most recently AI-native products on the Claude Agent SDK and Gemini.

EXPERIENCE

Software Engineer, RemoteBase | Dec 2025 – Present

- Build two AI-powered products end to end, Ember AI (AI app builder) and SnapDev Marketplace (founder–engineer marketplace), in Next.js, React and TypeScript with the Claude and Gemini APIs and a FastAPI backend.
- Own features across the stack: PostgreSQL and MongoDB data models, REST route handlers, React UIs, tiered Stripe subscriptions, and integrations with GitHub, Chatwoot, Cal.com and Supabase Auth.
- Ship features with backend engineers and product from design through release; contribute to code reviews and technical design discussions.

Software Engineer, Exonix | Jul 2023 – Dec 2025

- Delivered two production platforms end to end, Everlasting Echoes (AI-assisted digital memorials) and NexSight Health (multi-tenant digital health), using Next.js, GraphQL (Apollo Client), FastAPI and JWT auth with responsive UIs.
- Improved frontend performance by reducing bundle size, adding lazy loading and minimizing re-renders; built complex validated forms with React Hook Form and Yup.
- Deployed to AWS (EC2, S3) and Azure with CI/CD pipelines; worked in agile sprints and participated in code reviews.

SELECTED PROJECTS

Ember AI | AI app builder that turns chat prompts into deployed full-stack apps (RemoteBase)

Claude Agent SDK, Vercel AI SDK, Gemini, Next.js, TypeScript, PostgreSQL/Drizzle, Redis, Stripe, Vercel Sandbox

- Built coding agents on Claude Opus/Sonnet and Gemini with 14 sandboxed tools for file edits, shell and git that generate running Next.js and FastAPI/Celery apps, streaming live previews over resumable Redis-backed SSE.
- Designed the Next.js platform on PostgreSQL/Drizzle with tiered Stripe billing, GitHub sync, and 24 CI-enforced test suites.

SnapDev Marketplace | Connects founders with vetted engineers for live, paid help (RemoteBase)

Next.js (App Router, RSC), React, TypeScript, Claude API, FastAPI, MongoDB, Stripe, Supabase Auth

- Integrated the Claude API with web fetch to read GitHub repos, URLs and zips and extract a project's stack for matching founders with engineers.
- Shipped live chat (Chatwoot) with SSE push, review-weighted engineer ranking, Cal.com booking and 4-tier Stripe subscriptions.
- Built 63 Next.js route handlers over a FastAPI/MongoDB backend with silent token refresh, covered by 286 Vitest test files on parallel GitHub Actions CI.

Everlasting Echoes | AI-assisted digital memorial platform for families and funeral directors (Exonix)

Claude API, Next.js, React, TypeScript, FastAPI, GraphQL, PostgreSQL, Stripe, AWS

- Built the guided-question flow in which the Claude API turns families' answers into warm life-story narratives.
- Integrated Stripe with webhook-driven refunds and a funeral-director commission ledger (pending, cleared, paid, voided).
- Built a FastAPI GraphQL API with 44 mutations and 3 role-guarded portals.

NexSight Health | Multi-tenant digital health platform for patient assessment and care management (Exonix)

Next.js, TypeScript, GraphQL (Apollo Client), Azure Communication Services, Material UI, Turborepo, Azure App Service

- Built patient scoring across 12 health dimensions, including social drivers of health, that generates risk reports.
- Shipped telehealth: Azure Communication Services video visits with recording, real-time patient–provider chat, medication tracking and scheduling.
- Architected a Turborepo monorepo with 5 role-based portals, 150+ typed GraphQL operations and JWT auth.

SKILLS

Languages: TypeScript, JavaScript, Python
Frontend: React, Next.js (App Router, RSC), Tailwind CSS, Material UI, shadcn/ui, Apollo Client, TanStack Query
Backend & Data: Node.js, FastAPI, REST APIs, GraphQL, PostgreSQL (Drizzle, SQLAlchemy), MongoDB, Redis, Supabase, Stripe
AI / LLM: Claude API & Agent SDK, Vercel AI SDK, Gemini API, Mastra, MCP, Langfuse, prompt caching, structured outputs
DevOps & Testing: AWS (EC2, S3), Azure (App Service, DevOps), Vercel, Netlify, GitHub Actions, Turborepo, Vitest, Playwright

EDUCATION

Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI) | Aug 2017 – Jun 2021

Bachelor's in Engineering · CGPA 3.31 / 4.0 · Islamabad, Pakistan