Shobhnik

full-stack engineer · backend, ai & infra

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hey team,

i'm a full-stack engineer leaning backend, AI and infra, with 3 years of experience and a product mindset. i've owned 0→1 systems end-to-end at early-stage startups, from architecture and APIs to production.

i care about systems that hold up at scale, not just code that works. most of my code? agents write it. i design the architecture, break down hard problems and make sure it doesn't fall apart.

i work closely with founders, product and design teams, from system design and AI agents to launch and scale. mostly in lean teams, or as the solo engineer on freelance and contract work, handling apps with real users.

WHAT I'VE DONE

xane ai · software engineer (backend/ai)

- built an ai agent on mastra that acts as an assistant for automobiles and appliances, handling everything from information retrieval to service booking and warranty claims.
- developed full traceability, logging, and explainability for the agent, using evals to track its performance and drive continuous improvement.
- designed terraform templates and infrastructure as code (iac) for multi-tenant enterprise deployments on aws, using ec2, load balancers, s3, vpc, api gateway and bedrock.
- built a document ocr pipeline ingesting 100k+ pages via mineru vlm, powering rag over qdrant with rrf hybrid retrieval and reranking, combining sparse (bge-m3) and dense (openai text-embedding-3-small) embeddings.
- extended and maintained legacy microservices of the core product serving 3.1m+ users, designing schemas, apis and architecture for new services and building new apis in node.js/typescript.

otomashen · software engineer

- built and scaled a high-throughput edi/x12 processing engine handling 20k+ claim files and millions of encrypted denial records, driving a 166% revenue increase.
- optimized node.js/typescript backend services, reducing api latency from 10s to under 1s.
- engineered a real-time dispatch system for proximity-based doctor matching, request lifecycle (accept/decline), and instant notifications.
- delivered 4 production-grade client systems, leading one end-to-end as the lead developer, owning architecture, implementation, and deployment.

THINGS I'VE BUILT ON MY OWN

reachtoyc, an ai agent for cold outreach to yc founders: pick a batch and it finds every founder and their likely emails, researches each company on the web, and drafts a personal email from your own prompt, resume and portfolio, sent from your own inbox. runs fully locally, free and open source: reachtoyc.vercel.app

findmejob, a go + wails desktop app with 100k+ jobs scraped from wellfound, greenhouse and more without public apis, plus your local agents (claude code, codex, opencode) to research companies, find founders and write the email: findmejob.xyz

insightplus, an open source event analytics engine ingesting 10k+ events/sec: insightplus.shobhnik.site

whooper, a proxy-layer caching engine for apis that caches responses and auto invalidates them with custom rules: whooper.shobhnik.site

amigmi, a fun tool to track all your ai coding spend: amigmi.xyz

that's it for now — would love to talk more about my stuff down the line. thanks for your time.