



Shaban Khawar

Senior Software Engineer

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About

Senior engineer who treats AI as a first-class part of the stack, not a bolt-on. I've shipped production LLM and voice-AI features to 10,000+ users, cut AI infrastructure costs by 40% through caching architecture, and work AI-natively across daily development and research.

Depth across the full stack: Next.js, Django, and NestJS applications backed by carefully designed data layers and real DevOps, because AI features are only as good as the systems they run on.

Eager adopter, disciplined engineer — I chase what AI makes possible and build it so it holds up in production.

Skills

Languages: JavaScript, TypeScript, Python, SQL

Frameworks & Libraries: React, Next.js, Express.js, Nest.js, Django, Celery, Vue.js, Redux, Tailwind, Socket.io

Databases: PostgreSQL, MySQL, SQLite, MongoDB

DevOps: AWS (EC2, EB, S3, CloudFront, Lambda, EFS), GCP, Azure, Firebase, Terraform, Docker

Healthcare: EHR & clearinghouse integrations, HIPAA-compliant system design

AI-Native Tooling: Claude Code, OpenCode, Codex, Figma Make — integrated into daily development and research workflow

Employment History

Barq Dev, *Senior Software Engineer*

Jun 2026 – Present

Brackets, *Fullstack Engineer*

Jul 2025 – Jun 2026

Built healthcare systems, EHR integrations, and clearinghouse integrations for US healthcare clients (projects under NDA). Used AI-native workflows to rapidly bootstrap EHR-reliant applications, compressing scoping-to-prototype timelines.

Cleft Notes, *Backend Engineer*

Feb 2024 – May 2025

Owned the backend of an AI voice-notes product end to end — LLM pipeline, billing, infrastructure — through its growth past 10,000 users.

Jinnbyte, *Fullstack Engineer and Frontend Team Lead*

Jul 2023 – Oct 2024

Led the frontend team on a voice-AI education platform (Calling All Kids): sprint planning, ticket distribution, and cross-functional coordination, with ad-hoc backend work.

Sofriendly & Yac.com, *Fullstack Developer*

Feb 2021 – Apr 2022

Fullstack development on Yac's async-communication products across React, Vue, and Node.

Projects

Cleft Notes, *Fullstack Engineer*

AI-powered app that turns voice memos into written, summarized notes.

- Developed the **core AI pipeline**: audio transcription via **Whisper**, summarization via **OpenAI**, with encrypted storage in **PostgreSQL & S3** — production LLM features engineered for reliability at scale.
- **Scaled the platform to 10,000+ users and 1,400+ paying subscribers**.
- Migrated the backend from PHP to **Express.js**, deployed on **AWS EC2 via Elastic Beanstalk**.
- Built subscription billing with **Stripe**, later syncing all customers to **RevenueCat**; integrated **Notion & Google Docs** via Nango.
- Engineered a **Lambda + FFmpeg** function for efficient audio merging; shipped public note-sharing via **Next.js**.

Calling All Kids, *Fullstack Engineer and Frontend Lead*

Mobile kids-education platform built on voice-generation AI.

- **Cut ElevenLabs voice-generation spend by 40%** with a content-addressed caching layer: chunked audio hashed by transcript and reused instead of regenerated — AI cost engineering in production.
- Architected an **AWS EFS + FFmpeg pipeline** for real-time audio processing with **sub-second retrieval**, cutting storage bloat by 60%.
- Migrated **Create React App to Vite** (10× faster builds and loads) and integrated **React Query**, reducing API round-trips ~40%.

Yac, *Fullstack Developer*

Async alternative to Slack and Zoom — meetings replaced by voice messages and screenshare recordings.

- Core contributor to a major rewrite converting the web app from **React to Vue**.
- Applied **dependency injection and inversion of control** patterns via InversifyJS.

Yac Send, *Fullstack Developer*

Web app for sharing text, code snippets, and files.

- Built the upload flow with **Uppy → AWS S3**, with records in **DynamoDB** and generated share URLs with optional password protection.
- Added a **PrismJS** code editor with multi-language support.

References

Please reach out to me and I will provide professional references, thanks!