

# Faraz Shah

## Full-Stack Software Engineer

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## SUMMARY

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Full-stack software engineer with 5 years building production web and mobile systems, from idea to owned infrastructure. Co-founded and led engineering at Parhako, an edtech platform of three shipped products serving 2,400+ registered users and 50+ paying customers. Stack: TypeScript, React, Next.js, Node.js, Express, GraphQL, AWS, Supabase.

## EXPERIENCE

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### Lead Software Engineer — Parhako

Sep 2024 – Jul 2026

Islamabad, Pakistan (Remote)

- Co-founded Parhako and led 3 engineers and an intern on parhako.com; designed, built, and ran Parhako NET and Parhako MDCAT end-to-end myself — three production apps serving 2,400+ registered users with 50+ paying customers (Next.js + TypeScript, Node.js on AWS).
- Owned cloud infrastructure and deployment on AWS (EC2, Load Balancer, Auto Scaling Groups, CI/CD).
- Built the MCQ filter builder and analytics engine over a bank of 43,000+ MCQs; candidates have taken 2,500+ mock tests and 50,000+ practice attempts.
- Migrated content generation from a 2-stage Gemini API workflow (strategy then execution) to a 1-stage agent pipeline (Claude Code for NET, OpenCode + GLM-5.1 for MDCAT), producing 765+ structured artifacts (notes, MCQ tests, interactive React/SVG physics labs).

### Lead Full-Stack Engineer — BitSmiths Studio

Aug 2025 – Oct 2025

Remote

- Delivered end-to-end features across the product using React, TypeScript, and Supabase.
- Improved engineering workflows through code reviews and tooling, and advised junior engineers.

### Founder — Lightangle Tech

Jun 2023 – Aug 2024

Remote

- Ran a one-person software studio building products for restaurants; built the product prototypes and ran an outbound client pipeline.
- Delivered a 3-month engagement for Baydaar Travels: a travel booking web app — frontend, backend, and deployment.
- Completed AWS and IBM certification coursework on Coursera during this period.

### Full-Stack Developer — TopDevSpace (Contract)

Jan 2023 – Jun 2023

Remote (USA)

- Led migration of a legacy .NET application to AWS serverless using Terraform, NestJS, AWS Lambda, Step Functions, DynamoDB, and CloudWatch — owning the backend rewrite and replacing fragile synchronous flows with event-driven, observable pipelines.

### Full-Stack JS Developer — Smodin

Jun 2022 – Dec 2022

Remote (USA)

- Led the migration from React to Next.js at Smodin, improving performance and scalability of the core product.
- Built a reusable UI component library to standardize the interface and lift development velocity across the team.

### Freelance Web Developer — Fiverr / Upwork / PeoplePerHour

Mar 2021 – Jun 2022

Remote

- Business management web app — meeting scheduling and invoice management, built with React.
- Appointment app for a skin-care clinic, end-to-end with React.
- EdTech learning app for primary students, built with React / React Native.
- Facebook Marketplace integration via the Facebook Graph API for a client marketplace product.
- “Rene Icons,” an open-source icon library.

## PROJECTS

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**Application Filler** — [github.com/faraz-35/application-filler](https://github.com/faraz-35/application-filler) 2026

Personal

- Fills form fields and answers questions for you, in your voice, from a context profile. Focus a field and it writes a paste-ready answer; the browser-extension mode fills a whole form at once. Node, Firefox MV3, Hammerspoon, opencode.

**DayApp** — [github.com/faraz-35/dayapp](https://github.com/faraz-35/dayapp) 2026

Personal

- A native macOS task list that writes my journal as a side effect. Per-task timers, reminders, and a command palette. Tauri (Rust) + React + SQLite.

**Writing Partner** — [github.com/faraz-35/writing](https://github.com/faraz-35/writing) 2026

Personal

- A writing assistant that refuses to write for you. It reads your draft and flags contradictions and gaps so you fix them yourself, keeping the thinking yours. Swift macOS app + Firefox extension + opencode agent.

**Five Lessons** — [github.com/faraz-35/five-lessons](https://github.com/faraz-35/five-lessons) 2026

Personal

- An Android app for 5-minute math and CS lessons, each written by an AI teacher. Next.js + Tailwind static export in Capacitor; lessons generated by an LLM agent pipeline.

**Musical** — [github.com/faraz-35/musical](https://github.com/faraz-35/musical) 2026

Personal

- Singable English subtitles for YouTube songs: translates the lyrics line by line and times them to the music so they can be sung along, shown as a browser overlay. Python (FastAPI, yt-dlp, GLM) + Firefox extension.

## TECHNICAL SKILLS

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**Languages:** TypeScript, JavaScript, Python, SQL

**Frontend:** React, Next.js, React Native Expo, Tailwind CSS, TanStack Query

**Backend:** Node.js, NestJS, Express, GraphQL, Supabase

**Databases:** PostgreSQL, DynamoDB, Firebase, Prisma, Neon

**Testing:** Cypress (end-to-end frontend), Playwright (scraping), Postman/contract schema validation

**Cloud / DevOps:** AWS (EC2, Lambda, SAM, CloudWatch, Load Balancer, Auto Scaling), Terraform, CI/CD

**Practices:** System design, infrastructure-as-code, monorepo architecture

## EDUCATION

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**Bachelor of Science in Software Engineering** — **National University of Sciences and Technology (NUST)** 2019 – 2023

Islamabad, Pakistan

## CERTIFICATIONS

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AWS Cloud Solutions Architect, DevOps on AWS (Coursera); IBM Full Stack Software Developer (Coursera); Meta Front-End Developer, Meta React Native (Coursera).

## LANGUAGES

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English (Full Professional)      Urdu (Full Professional)