Safa Maqbool

Full-Stack Engineer · Computer Science Instructor

Karachi, Pakistan | s.maq.basha@gmail.com
linkedin.com/in/safamaqbool | github.com/SafaMaqbool

Summary

Full-stack engineer with 2+ years of industry experience building production web applications with React, Next.js, TypeScript and Node.js — from SaaS and AI products to high-performance company websites. 100% Job Success and a 5.0★ rating on Upwork. Alongside engineering, I teach university-level computer science on transnational degree programmes and am a Top 10% CS tutor on Preply with 568+ lessons — which sharpens how I explain, document and mentor on a team.

Technical Skills

Languages	**TypeScript / JavaScript**, Python, Java, C++, PHP, SQL
Frontend	React, Next.js (App Router, SSR/SSG), Redux, Tailwind CSS, Framer Motion, Astro, Material-UI, HeroUI
Backend	Node.js, Express, REST & GraphQL APIs, Prisma, authentication, Stripe billing
Databases	PostgreSQL, MongoDB, Supabase, Firebase, Appwrite, Redis
CMS & AI	Sanity (headless CMS), AI knowledge-base features, n8n agentic workflows
DevOps & Tools	Docker, GitHub Actions, CI/CD, AWS EC2/S3, Vercel, Cloudflare Pages, Postman, Figma
Testing	Jest (unit), Cypress (E2E), Mocha/Chai

Engineering Experience

Full-Stack Developer @ Contract

- Designed, built and shipped an **AI Knowledge Base** SaaS (Next.js, Prisma 7, Supabase PostgreSQL) end-to-end, including resolving Prisma/Supabase shadow-database migration conflicts.
- Leading a small dev team on **Acadenxe**, an academic management platform, delivered phase by phase with branch-per-phase workflow, PR-based code review and a security review every phase.

Freelance Full-Stack Developer @ Upwork & Fiverr 2024 – Present

- 100% Job Success Score, 5.0★ client rating and Rising Talent badge on Upwork; clients in Pakistan, Germany and the US.
- Migrated **SM Lumière**, an 11-page networking platform, from WordPress to Next.js + Sanity.
- Built the **OEE IntelliSuite** product website pixel-perfect from Figma in Astro + Tailwind — rated 5.0: “a fantastic developer to work with.”

Associate Software Engineer @ HexSync Jan 2025 – Feb 2026

- Optimized frontend performance by 40% through dynamic imports and rendering improvements, measured via React Profiler.
- Integrated 5+ REST APIs with Redis caching in Next.js applications, reducing server load by 35%.
- Designed 12+ reusable Tailwind components in a shared library, accelerating team velocity by 25%.

Web Developer @ GOAT IT Consulting Sep 2024 – Dec 2024

- Developed a performant company website (98 Lighthouse) using Next.js with code splitting and AVIF optimization.
- Implemented a contact system handling 150+ inquiries/month with 99.8% reliability.
- Created 5+ modular templates using atomic design, reducing page development time by 62.5%.

Teaching Experience

Instructor @ Denning Institute of Technology & Entrepreneurship — Jul 2026 – Present

- Teach core computer science courses on Denning's transnational degree programmes, including Systems Development and Web Programming.
- Guide students through coursework and projects, building strong fundamentals and industry-ready skills.

Computer Science Tutor @ Preply (online) — 2023 – Present

- 568+ one-to-one lessons with a 5.0★ rating from 13 reviews; ranked in the Top 10% of CS tutors.
- Teach programming (Python, Java, C/C++, JavaScript), DSA, databases, OS, networking and IGCSE / GCSE / A-Level Computer Science.
- Wrote a beginner-to-advanced **System Architecture** course from scratch, taking learners with no CS background to job-ready.
- Project-first lessons (games, dashboards, database systems); students typically stay for 12+ lessons.

Invited talk: "Careers in Web Development" — The Royal Colosseum (career paths, coding, Shopify & WordPress, industry trends).

Selected Projects

- **AI Knowledge Base** — teams store, search and ask questions across their documents. Next.js, Prisma, Supabase. knowledge-base.ketrivo.com
- **SM Lumière** — headless CMS rebuild of an entrepreneur networking platform. Next.js, Sanity, Framer Motion. sm-lumiere-website.vercel.app
- **OEE IntelliSuite** — industrial analytics product website, Figma to production. Astro, Tailwind. oeeintellisuite.com
- **Client websites** — German construction company (Astro, Tailwind v4, 7 service pages) and a digital marketing agency (Astro, Cloudflare Pages).

Education

BS in Computer Science @ Salim Habib University — Oct 2020 – Jul 2024

Formerly Barrett Hodgson University · Karachi

GPA 3.57 / 4.0 · Data Structures, Algorithms, OOP, Databases, Operating Systems, Computer Networks, Software Engineering

Certifications

Coursera: Introduction to Front-End Development (Meta)