

Shahan Ali Naqvi

Full-Stack AI Engineer · Product Engineer · AI Automation Specialist

Islamabad, Pakistan · contact@shahannaqvi.com · shahannaqvi.com · linkedin.com/in/shahannaqvi · github.com/shahanalinaqvi

PROFESSIONAL SUMMARY

Full-stack AI engineer and founder with 4+ years building complete products end to end: the design, the AI and agent layer, and the infrastructure. Built multi-agent LLM systems across Claude, GPT, and Gemini, and contributed to an AWS cost-optimization platform managing \$2B+ in cloud spend for 500+ enterprises. AI-native since early 2023, shipping from zero to deployed with real product ownership.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Dart, HTML, CSS, SQL

Frontend: React, Next.js, Angular, Flutter, Responsive Design, UI/UX Design

Backend: Node.js, NestJS, FastAPI, REST APIs

AI & Automation: Multi-Agent Orchestration, LLM Integration (Claude, GPT, Gemini), Prompt Engineering, Agentic SaaS Automation, MCP

Cloud & DevOps: AWS, Docker, Git, CI/CD

Databases: MySQL, PostgreSQL, Firebase

Product & Leadership: Product Strategy, Roadmapping, Rapid Prototyping, Product & Project Management, Technical Advisory, Architecture Design

Additional: CCAT 35/50 (~92nd percentile, proctored); English (fluent), Urdu; LLM hands-on since Jan 2023; 70 WPM

PROFESSIONAL EXPERIENCE

Founder / CEO & CTO · VertigoWorks | Remote 2020 – Present

- Lead a product studio building AI-native products end to end, driving product strategy, engineering direction, and delivery across web and mobile.
- Architect and ship full-stack solutions spanning SaaS automation, AI agent systems, and custom software for external partners and internal ventures; two MVPs currently in active development.

Technical Advisor · Ranea AI | Remote Oct 2025 – Present

- Advise an AI-powered healthcare automation platform (AWS Startup and NVIDIA Inception-backed) on product strategy, architecture, scalability, and integration across conversational AI agent systems for clinic operations, clinical documentation, and revenue cycle management.

Software Engineer (Freelance) · SEO Maximus | Remote Oct 2025 – Mar 2026

- Built the AI Blog Builder end to end: a multi-agent workflow (8+ agents across Claude, GPT, and Gemini) generating complete, SEO-optimized blog pages from a single prompt. Agents handle research, structure, copywriting, SEO, and image generation; frontend in Angular, backend in FastAPI. MVP shipped in 5 days; live demo at ai-blog.shahannaqvi.com.

Software Engineer · Trilogy / Crossover (CloudFix & QueryLens) | Remote Jun 2024 – Oct 2025

- Contributed to CloudFix, an enterprise AWS cost-optimization platform managing \$2B+ in cloud spend for 500+ companies including Mastercard, Ryanair, and Western Digital.
- Shipped 20+ net-new savings Finders and automated Fixers in TypeScript and Python into a mature 100+ module catalog; the hard part was inventing genuinely new ways to realize AWS savings and integrating them cleanly at enterprise scale.
- Drove ~\$400,000 in customer savings in Q1 2025 alone with comparable results in following quarters; enforced per-tenant cost caps that brought outlier spend from \$3M+ below the \$2M target.
- Led frontend for the team and owned the entire UI/UX for QueryLens, an AI-powered database upgrade assistant for safe MySQL and PostgreSQL migrations through query compatibility analysis.

Frontend Developer · MPN (Malikki) | Islamabad, Pakistan Jan 2024 – Apr 2024

- Redesigned and localized the Malikki classified ads / marketplace platform from its original Turkish-based UI (sahibinden.com) into a modern, English-language experience for the Pakistani market; rebuilt UI components and modernized layout patterns.

ENTREPRENEURSHIP & PERSONAL VENTURES

Co-Founder & Developer · MyThrive | Remote Jan 2023 – 2025

- Co-founded and built a cross-platform habit-building app (Flutter, Android and iOS) with a companion web panel, featuring personality assessments, habit tracking, mood management, AI coaching, and community; owned the full product lifecycle (currently paused).

EDUCATION

BS Software Engineering · National University of Modern Languages (NUML), Islamabad · 2018 – 2022

CGPA 3.67 / 4.00. Senior thesis: Mixed Reality-based Social Glasses for the Deaf.