

Hassan Raza

Peshawar, Pakistan (Remote) | +923336804995 | [Email](#) | [LinkedIn](#) | [Github](#) | [Portfolio](#)

SUMMARY:

Full-Stack Software Engineer specializing in building scalable SaaS platforms and automation-driven systems using TypeScript, React, Node.js, and PostgreSQL. Experienced in owning systems end-to-end from database architecture and backend APIs to frontend UI and production deployment. Strong focus on clean architecture, structured data systems, and AI-assisted development workflows.

TECHNICAL SKILLS:

- **Core Stack:** Next.js, React, TypeScript, Node.js, PostgreSQL, Supabase, Tailwind CSS, shadcn/ui
- **AI/ML:** LLM Integration (OpenAI API, Gemini API), RAG systems, embeddings, fine-tuning basics
- **Backend & APIs:** Express.js, Node.js REST APIs Prisma, Authentication (JWT, OAuth), Role-Based Access Control
- **Databases:** PostgreSQL, NeonDB, MongoDB, MySQL
- **Cloud & Deployment:** Vercel (Serverless), AWS, Netlify, Hostinger
- **Automation & Workflows:** Webhook Systems, Event-Driven Architecture, API Integrations, Background Jobs, Workflow Automation
- **Development Workflow:** AI-assisted coding (Cursor, LLM-powered debugging & refactoring)

EXPERIENCE:

Freelance Web & AI Developer – Remote

May 2023 – Present

- Built and shipped multiple **production SaaS** applications using Next.js, React, TypeScript, PostgreSQL, and Supabase in fast-paced, iterative environments.
- Designed and owned systems **end-to-end** including database schema design, authentication flows, API architecture, and frontend implementation.
- Implemented **serverless deployments** on Vercel and AWS, optimizing performance and reducing cold-start latency.
- Delivered **MVP features rapidly**, gathered user feedback, and iteratively improved functionality to production-grade stability.
- Integrated third-party APIs (payments, affiliate networks, AI APIs) and built scalable background jobs for automated data sync.
- Diagnosed and resolved complex **cross-stack bugs** across frontend, backend, and database layers to maintain production reliability
- Designed and implemented webhook-driven automation systems for payments, affiliate data synchronization, and background processing workflows..

Co-Founder & Lead Full Stack Engineer

[\[LINK\]](#) **Affiliate Begins** (Platform) | Feb 2024 – Present

- Co-founded and architected a **subscription-based SaaS** platform helping beginner and intermediate affiliate marketers launch and scale their online businesses.
- Owned end-to-end product development from system design and database architecture to frontend UI, backend APIs, and deployment.
- Built and maintained the entire technical infrastructure while collaborating with a co-founder focused on sales and course content.
- Designed a **multi-tenant PostgreSQL** database schema supporting users, subscriptions, affiliate integrations, analytics, and content delivery.
- Integrated 6 major affiliate networks (ClickBank, Digistore24, JVZoo, BuyGoods, MaxWeb, Hotmart) with **automated hourly data synchronization** and 90-day historical imports.
- Implemented **real-time analytics dashboards** for revenue tracking, trends, and performance insights.
- Built AI-powered content generation tools using OpenAI and Gemini APIs to enhance user productivity.
- Deployed **serverless infrastructure** on Vercel and managed production stability, debugging cross-stack issues independently.
- Worked independently with **minimal supervision**, taking full technical accountability for architecture decisions and production stability.

Team Lead Full Stack Engineering – Peshawar, Pakistan

[\[LINK\]](#) **Sonic Sync** (Startup) | Aug 2025 – Dec 2025 | Remote

- Led a small **cross-functional team** in building and launching a full-stack community platform serving the Deaf community, delivering the product from concept to production deployment.
- Defined **system architecture** and owned technical decisions across frontend, backend, database design, and deployment.
- Designed and implemented a **scalable PostgreSQL schema** using Supabase, supporting authentication, role-based dashboards, media storage, and real-time interactions.
- Developed **role-based** admin, instructor, and user dashboards with dynamic permissions and content moderation capabilities.
- Shipped MVP rapidly, iterated based on usability testing, and **improved performance** and reliability before production release.
- Deployed and managed **production infrastructure**, handled debugging across frontend, backend, and database layers, and ensured platform stability.
- Coordinated task distribution, conducted code reviews, and maintained development velocity under tight timelines.

PROJECTS:

[\[LINK\]](#) **Affiliate Begins Toolkit** *Frontend and Backend Development*

Tech Stack: Next.js, React, TypeScript, PostgreSQL (NeonDB), Prisma, Vercel, OpenAI, Gemini

Built a production SaaS toolkit integrating 6 affiliate networks with automated hourly data sync and real-time analytics dashboards. Implemented AI-powered content generation and scalable PostgreSQL architecture.

[\[LINK\]](#) **Sonic Sync – Inclusive Community Platform for the Deaf** - *Frontend and Backend Development*

Tech Stack: React, Tailwind CSS, React Router, React Hook Form, Supabase (PostgreSQL, Auth, Storage, Realtime), Netlify (Deployment)

Led full-stack development of a role-based community platform with secure auth, real-time updates, and structured dashboards for admins, instructors, and users.

[\[LINK\]](#) **Deep Learning-Powered Real-Time Crowd Management System** - *Backend Development and Deep Learning*

Tech Stack: Python, YOLOv8, OpenCV, Cvzone, Google Colab

Developed a 98% accurate real-time detection system with optimized backend processing pipeline; published findings in an IEEE-indexed conference.

EDUCATION: **Iqra National University** - Peshawar | Bachelor of Science in Computer Science | October 2020 - September 2024