

HASSAN MIRZA

Full-Stack Software Developer

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PROFESSIONAL SUMMARY

Full-Stack Software Developer specializing in modern web technologies, backend architecture, and developer infrastructure. Experienced in delivering end-to-end software solutions—from architecture and implementation to deployment and maintenance—with a focus on scalable systems, clean design, and rapid product development.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C#, PHP, SQL

Frameworks & APIs: React, Next.js, Express, FastAPI, REST APIs, WebSockets (Socket.IO)

Databases: MongoDB, MySQL, SQL Server, Redis

Infrastructure & Tools: Linux, Docker, Windows Server, IIS, Git, Ollama

PROFESSIONAL EXPERIENCE

Freelance Developer — Freelance

Jan 2022 – Present

- Designed, developed, and deployed full-stack applications using React, Next.js, Node.js/Express, and MongoDB/MySQL with a focus on scalability and maintainability. Built secure REST APIs and real-time features using WebSockets (Socket.IO), including authentication, role-based access control, and Redis-backed caching.
- Delivered AI-assisted features such as automated quiz generation and workflow automation, integrating Python-based services with core JavaScript/TypeScript applications.
- Owned end-to-end delivery — from UI to backend architecture to deployment — using Docker and Linux-based hosting, both independently and with clients.

Software Developer Intern — Integral University

Jun 2026 – Present

- Developed scalable web applications and backend services supporting university management and student information systems.
- Built secure REST APIs with JWT authentication, authorization, and optimized database operations using SQL Server and MySQL.
- Configured and maintained production deployments on Windows Server/IIS, improving deployment consistency through Docker-based workflows.
- Worked across the full software development lifecycle, including requirement analysis, backend implementation, database design, deployment, and post-release maintenance.

FEATURED PROJECTS

CareerOS — AI-powered career management SaaS platform with job tracking, analytics, interview preparation, AI-driven insights, and networking tools. *Tech: React, Node.js, Express, MongoDB, AI APIs*

Campus Quest — University management and AI-powered online examination platform with role-based access, real-time dashboards, AI quiz generation, and a chatbot. *Tech: React, Node.js, Express, MongoDB, Redis, Socket.IO*

Alias — Privacy-first, real-time anonymous messaging platform with discoverable aliases, chat requests, typing indicators, read receipts, and disappearing conversations. *Tech: React, TypeScript, Express, MongoDB, Socket.IO*

Self-Hosted Infrastructure — Designed and maintained self-hosted development infrastructure spanning Ubuntu Server, Docker, Windows Server, IIS, Moodle deployment, monitoring, and networking. *Tech: Linux, Docker, Windows Server, IIS*

EDUCATION

Bachelor of Computer Applications (BCA)

Integral University | 2023 – 2026

ACHIEVEMENTS

- Built 15+ full-stack projects across AI, SaaS, education, and real-time applications.
- Developed software solutions for education and e-commerce clients.
- Participant, Smart India Hackathon (SIH).
- Active open-source contributor and technical writer.