Muhammad Faisal

Full Stack Developer

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Profile

Full-Stack and Mobile Application Developer with expertise in designing and developing scalable web and mobile applications using the MERN stack. Built robust RESTful APIs with secure authentication, deployed applications on AWS, and implemented serverless backends using AWS Lambda. Experienced in Machine Learning with Python, including training models and developing RAG-based chatbots for intelligent applications.

Experience

Cybersecurity Engineer, Cyber Lab, NASTP Rawalpindi   Jul 2025 – Sep 2025

- Advanced web and network penetration testing to identify security loopholes.
- Utilized Burp Suite, Nmap, and Metasploit to simulate attacks.
- Vulnerability Assessment and Penetration Testing (VAPT) to secure assets.

Full Stack Developer, CloudSphereX Limited   Sep 2025 – Dec 2025

- Designed and developed scalable full-stack web applications using the MERN stack.
- Architected robust backend systems and RESTful APIs to support client-facing applications.
- Deployed applications on VPS servers and implemented serverless backend services using AWS Lambda.
- Managed cloud integrations, database connections, and environment configurations for production systems.

Projects

Personalized E-commerce Recommendation System   FYP Project

- Developed a full-stack e-commerce recommendation system implementing AI-based personalization using SVD (Singular Value Decomposition) for collaborative filtering. Integrated an AI chatbot and a deep learning–based visual search module to improve product discovery and user experience.

Human Activity Recognition using Smartphones   Personal Project

- Developed a Human Activity Recognition system utilizing smartphone sensor data to classify physical activities.

Ecommerce App

- Developed a React Native–based e-commerce mobile application with admin product management, online purchasing, and integrated payment functionality.

Technical Skills

Languages: JavaScript, TypeScript, Bash Scripting
Frontend: React, React Native, Next.js, Tailwind CSS, Bootstrap, HTML5/CSS3
Backend: Node.js, Express.js, RESTful APIs, Authentication & Authorization (Clerk)
Databases: MongoDB, PostgreSQL, Database Design & Normalization
Cloud & DevOps: AWS (EC2, Lambda), VPS Deployment, Docker, CI/CD Pipelines, Automated Deployment, Git/GitHub
Tools & Platforms: Expo (Mobile), Figma, Agile/Scrum
Professional Skills: Technical Documentation, UI/UX Design, SEO Optimization, Cross-Platform Deployment

Education

Bachelor of Science in Software Engineering, Air University Islamabad   2022 – 2026