

Muhammad Ahmad Kamran

MERN Stack Developer | Software Engineer

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Professional Summary

MERN Stack Developer with over two years of hands-on experience building and deploying production-grade web applications using React.js, Node.js, Express.js, and MongoDB. Skilled in JavaScript (ES6+) and TypeScript, RESTful API design, and third-party API integration, with practical experience deploying on AWS and using Docker and CI/CD pipelines for iterative releases. Comfortable collaborating with cross-functional teams in Agile-informed workflows to ship features end to end. Graduating June 2026 from FAST (NUCES) in BS(CS).

Technical Skills

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3, Python

Frameworks & Libraries: React.js, Node.js, Express.js, Next.js, React Router, RESTful APIs, GraphQL

Databases: MongoDB, PostgreSQL, SQL, Firestore

Cloud & DevOps: AWS (EC2, S3), Docker, CI/CD Pipelines, Git/GitHub, VPS Deployment, Vercel, Netlify, Railway

Practices & Concepts: Agile/Scrum, OOP, Data Structures & Algorithms, Authentication & Authorization, Third-Party API Integration, Caching, Rate Limiting

Experience

Freelance Full-Stack Developer (MERN Stack) STEM Preparations

STEM Preparations LMS | www.stempreplms.cloud [January 2026] [May 2026]

" Engineered a full-stack Learning Management System (LMS) using the MERN stack with a RESTful API architecture supporting concurrent users, including role-based access control, video lectures, quizzes, and real-time progress tracking.

" Deployed and maintained the application on AWS and a Linux-based VPS using Docker and CI/CD pipelines for iterative, automated releases.

" Applied CDN caching and express-rate-limit middleware, and guarded against race conditions in concurrent database writes.

Freelance Full-Stack Developer (MERN Stack) Hungry Boys

Multi-Vendor Food Ordering Web Application | www.hungryboys.live [January 2025] [December 2025]

" Built and deployed a multi-vendor food ordering web application using the MERN stack for the startup Hungry Boys, supporting four user roles (Admin, User, Campus Manager, Restaurant Manager).

" Designed a cash-on-delivery payment workflow and batch-delivery system serving university students, improving cash flow and delivery reliability.

" Used CDN caching, express-rate-limit middleware, and custom queuing to handle order processing under load, preventing race conditions on concurrent order updates.

Full-Stack Developer AutiSmart (Final Year Project)

Autism Support Platform | [August 2025] [June 2026]

" Developed a full-stack autism support platform using the MERN stack with role-based access control, serving children ages 5-12.

" Integrated the Groq API with prompt engineering for MCQ-based screening assessments, and applied a ViT-16 model to generate confidence scores and track progress.

Freelance Web Developer Independent Client Work

Portfolio Websites for Client | www.drmaryamraana.com [August 2024] [September 2024]

" Designed and developed responsive client portfolio websites with clean UI/UX, cross-device compatibility, and optimized load times.

Education

Bachelor of Science, Computer Science FAST National University of Computer and Emerging Sciences (NUCES) August 2022 June 2026

Intermediate in Computer Science (ICS) Government Community College, Faisalabad May 2020
June 2022

Certifications

" MERN Stack Development Innvoy Tech

" Full Stack Web Development Internship Mentoga (Skilled Score)