

MAVIA ALI

Software Engineer | MERN Stack Developer | Full-Stack Developer

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 5+ years of experience building scalable, production-grade web applications serving 30K+ monthly active users. Specializes in the MERN stack (MongoDB, Express.js, React.js, Node.js) with strong expertise in Next.js, TypeScript, and MySQL. Architects and optimizes 50+ complex database schemas, builds RESTful APIs, implements secure authentication, and integrates third-party services including payment gateways. Delivers end-to-end solutions across backend services and high-performance client-facing applications.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript

Backend: Node.js, Express.js, REST APIs, Mongoose, WebSockets

Databases: MongoDB, MySQL

Authentication & Security: JWT, OAuth 2.0, Auth0, Firebase

Frontend: React.js, Next.js, Redux Toolkit, Tailwind CSS

Tools & Methodologies: Git, CI/CD, Docker, Postman, Swagger/OpenAPI, Agile/Scrum

AI-Assisted Development: GitHub Copilot, Claude, Cursor

PROFESSIONAL EXPERIENCE

Digital Dividend

Karachi, Pakistan

Software Engineer Level II

Jun 2022 - Present

- Engineered and maintained multiple MERN stack production applications across automotive, real estate, analytics, and auction platforms, serving 30K+ monthly active users and handling 500+ daily requests
- Architected a lane capacity system managing per-branch, per-service, and timeslot-based booking limits with real-time availability and override logic, handling 200+ concurrent bookings daily
- Designed scalable REST APIs with Node.js and Express.js within a microservices architecture, including background job processing, and automated PDF generation workflows
- Modeled and optimized 50+ MongoDB schemas with indexing strategies and caching techniques, improving API performance and ensuring data integrity at scale
- Led implementation of complex client-side business logic in React.js and Next.js, managing state, API integrations, and real-time data synchronization across critical features

Dynamic Global Links

Karachi, Pakistan

Associate Software Engineer

Apr 2021 - May 2022

- Built and consumed REST APIs using Node.js and Express.js, handling data flow between server and client
- Implemented end-to-end authentication flows using JWT, Auth0, and Firebase Auth covering backend token management and frontend session handling
- Designed MongoDB schemas with Mongoose, implementing queries, pipelines and other data operations
- Collaborated with senior engineers to implement full-stack features and API architecture across 3+ client-facing web applications, gaining hands-on experience with production-grade development practices

KEY PROJECTS

AutoHub - Automotive Service Platform

autohubksa.com carhubapp.com

React 19, Next.js, TypeScript, Node.js, Express.js, MongoDB, Redux Toolkit, Firebase, i18next, shadcn/ui, Tailwind CSS

- Built a lane-capacity-based service booking platform with subscription management, real-time service tracking, product catalog, multi-method payments, and dynamic invoice generation
- Delivered a multilingual interface with full RTL support and a multi-role CMS for operational control across admin and internal teams, with dynamic management of content, features, and app-wide settings

Plotr - Location Intelligence & Geospatial Analytics

plotr.com

React 18, TypeScript, Mapbox GL, Turf.js, MongoDB, MySQL, Auth0, Zustand, Material-UI, Tailwind CSS, Sentry

- Built a geospatial analytics SaaS platform for commercial real estate decision-making, featuring interactive map exploration and PDF reports with chart-based insights from user-defined queries and map selections

Muzaida Auctions - Vehicle Auction Platform

muzaidaauctions.com

React 18, Redux Toolkit, RTK Query, Node.js, Express.js, MongoDB, WebSockets, Bootstrap, SCSS

- Built a real-time vehicle auction system with live bidding, bid eligibility validation, wallet and deposit management, and multi-method payment integration

EDUCATION

Bachelor of Science in Computer Science

2019 – 2022

Federal Urdu University of Arts, Sciences and Technology | Karachi, Pakistan

CERTIFICATIONS

Web and Mobile Application Development - Saylani Mass IT Training (SMIT)