

# MAVIA ALI

Software Engineer | MERN Stack Developer | Full-Stack Developer

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## PROFESSIONAL SUMMARY

Software Engineer with 4+ years of experience building scalable, production-grade full-stack web applications. Specializes in the MERN stack (MongoDB, Express.js, React.js, Node.js) with strong command of Next.js and TypeScript. Architects and maintains 50+ complex database schemas, builds RESTful APIs, implements secure authentication, and integrates third-party services, including payment gateways. Contributes to agile delivery, code quality, technical decision-making, and cross-functional collaboration in distributed team environments.

## TECHNICAL SKILLS

**Languages:** JavaScript (ES6+), TypeScript

**Frontend:** React.js, Next.js, Redux Toolkit, RTK Query, HTML5, CSS/Sass/SCSS, Tailwind CSS, Material UI, shadcn/ui

**Backend:** Node.js, Express.js, REST API, Mongoose

**Databases:** MongoDB, Firebase Firestore

**Authentication & Integrations:** JWT, OAuth 2.0, Auth0, Firebase Authentication, WebSockets, Mapbox GL, Sentry

**Tools & Methodologies:** Git, CI/CD, Docker, Vite, Postman, Swagger/OpenAPI, Agile/Scrum, i18n

## PROFESSIONAL EXPERIENCE

**Digital Dividend**

Karachi, Pakistan

**Software Engineer Level II**

June 2022 - Present

- Developed 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 and queries, ensuring data integrity and consistency
- Improved API performance through query tuning, indexing strategies, and caching techniques
- Led frontend architecture, translating designs into responsive interfaces, building reusable components, and implementing multilingual support with full RTL compatibility using React.js and Next.js
- Contributed to code quality through peer reviews, improving maintainability and team delivery standards

**Dynamic Global Links**

Karachi, Pakistan

**Associate Software Engineer**

April 2021 - May 2022

- Built and consumed REST APIs using Node.js and Express.js, handling data flow between server and UI
- Implemented end-to-end authentication using JWT and Firebase Auth across frontend and backend
- Worked with MongoDB and Mongoose for schema design, querying, and basic data operations
- Converted 10+ design mockups into React and Next.js interfaces, ensuring consistent UI across all devices
- Improved frontend performance through code splitting, lazy loading, asset optimization, and efficient state management, reducing initial load time by 20-30%

## KEY PROJECTS

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### **AutoHub & CarHub** - Automotive Service Platform

[autohubksa.com](https://autohubksa.com) [carhubapp.com](https://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](https://plotr.com)

React 18, TypeScript, Mapbox GL, Turf.js, MongoDB, PostgreSQL, 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
- Integrated Auth0 for authentication and Sentry for production monitoring, enabling tracking of API response failures and client-side errors

### **Muzaida Auctions** - Vehicle Auction Platform

[muzaidaauctions.com](https://muzaidaauctions.com)

React 18, Redux Toolkit, RTK Query, Node.js, Express.js, MySQL, 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
- Delivered vehicle search and filtering with image galleries along with a unified user dashboard for bid history, saved favorites, and bank account management

## EDUCATION

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### **Bachelor of Science in Computer Science**

2019 – 2022

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

## CERTIFICATIONS

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