

MUHAMMAD REHMAN

Full Stack Developer | React.js/ Next.js/ React Native

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Professional Summary

Full Stack Developer with 1+ year of professional experience specializing in enterprise-grade applications, multi-tenant architectures, and scalable system design. Proficient in Next.js, React, and TypeScript, with a strong backend foundation in PostgreSQL, Prisma, and Node.js. Proven track record of delivering high-impact solutions involving real-time WebSockets, Docker containerization, and Azure cloud integrations.

Technical Skills

Languages: TypeScript, JavaScript (ES6+), SQL, PHP, HTML5, CSS3

Frontend: Next.js, React.js, React Native (CLI), Tailwind CSS, Bootstrap, Redux

Backend: Node.js, Express.js, Laravel, Prisma ORM, REST APIs

Databases: PostgreSQL, MySQL, MongoDB, Redis

DevOps & Tools: Docker, Azure Blob Storage, Git, GitHub, CI/CD

Specialized: Multi-Tenant Architecture, RBAC, WebSockets, Background Jobs (pg-boss)

Education

Barani Institute of Information Technology (BIIT)

BS Computer Science (CGPA: 3.48)

Rawalpindi, Pakistan

Sep 2021 – Jul 2025

Professional Experience

Full Stack Developer (full time)

Sep 2025 - present

Company: DndSol

Location: Islamabad, Pakistan

- Developed ExposaaS, an enterprise multi-tenant vehicle management platform serving multiple dealerships.
- Designed and implemented a multi-tenant PostgreSQL schema using Prisma ORM.
- Built real-time notification system using WebSockets.
- Implemented background job processing with pg-boss for automated PDF invoice generation.
- Containerized the full application stack using Docker, ensuring consistent deployments across environments.

React.js Developer (Internship)

Aug 2024 - Oct 2024

Company: ItSolera PVT LTD

Location: Islamabad, Pakistan

- Developed responsive web pages using React.js, JavaScript, and Bootstrap, improving mobile usability.
- Integrated REST APIs for real-time course and assignment data, enhancing data accuracy.
- Refactored components to increase modularity and scalability.
- Collaborated with UI/UX designers to deliver pixel-perfect responsive designs.
- Optimized API calls and **data handling logic**, reducing load time and improving app performance.

Projects

FleetHub – Enterprise Fleet & Visa Management System

Next.js, React, PostgreSQL, Prisma, Azure Blob Storage, Docker

- Designed and developed a production-ready enterprise platform to manage fleet operations, visa processing, financial transactions, and compliance.
- Implemented multi-entity invoicing system supporting customers, vehicles, drivers, companies, suppliers, and visa applications.
- Built double-entry financial transaction system with installment tracking, tax, discounts, and reconciliation.

- Designed a 27-table relational database handling complex relationships, audit logs, and historical data.
- Implemented role-based access control (RBAC) and compliance-ready audit logging.
- Integrated Azure Blob Storage for secure document management with expiry tracking.
- Reduced manual data entry by ~70% and enabled real-time reporting for business decision-making.

ExposaaS – Enterprise Vehicle Management Platform

Next.js, PostgreSQL, Prisma, Redis, WebSockets, Docker

- Designed and developed a complete vehicle management system covering the entire lifecycle, from auction purchase to customer sales, payment handling, and automated invoicing.
- Implemented a multi-tenant architecture to support multiple companies with role-based access control and fine-grained permissions.
- Built a background job processing using **pg-boss** for invoice PDF generation, bulk notifications, and heavy data processing tasks.
- Developed a real-time notification system with **WebSockets**.
- Integrated **Azure Blob Storage** for secure storage and controlled access to vehicle documents and files.
- Improved operational efficiency by achieving a **99.9% job success rate**, removing manual calculation errors, and saving over **20+ hours per week per company**.

Last Mile Delivery System

React Native (CLI), Laravel, Mapbox | FYP

- Built a full-stack mobile delivery platform with role-based dashboards for **Customers, Vendors, and Riders**.
- Implemented real-time order tracking and navigation using **Mapbox**, improving delivery route accuracy.
- Developed dynamic pricing logic using the **Haversine formula** to calculate distance-based delivery charges.
- Managed global app state using **React Context API** and delivered a smooth, mobile-first user experience.
- Worked in a team using **Git/GitHub** with structured, issue-based commits to ensure clean and traceable version control.

Learning Management System (Internship Project)

React.js, Node.js | ItSolera

- Developed a web-based LMS for managing student attendance, courses, and assignments.
- Built a responsive React frontend and integrated RESTful APIs for real-time data management.
- Improved internal workflow automation for instructors and administration staff.

Footwear Web Store

React.js, Bootstrap

- Created an e-commerce web application featuring product filtering, shopping cart, and checkout flow.
- Implemented secure cart management and payment workflow with a responsive UI for all devices.

BIIT Official Website

React.js, Bootstrap

- Developed a fully responsive static website for BIIT using React and Bootstrap.
- Ensured clean UI, cross-browser compatibility, and fast page load performance.

Certifications

Mern Stack Developer Certification (NAV TTC-SUMMER CODE)

Apr 2023 - May 2024