

Muhammad Abdullah Awais


Full Stack Developer

✉ abdullahawais1111@gmail.com ☎ +923027522213 🌐 <https://www.abdullahawais.com>

Profiles

 Github

[m-abdullah-awais](#)

 LinkedIn

[m-abdullah-awais-programmer](#)

Summary

Full Stack Developer with 2.5+ years of hands-on experience architecting scalable, secure, and high-performance web applications across the MERN stack and beyond. Proven track record of delivering end-to-end solutions – from building real-time WebSocket-driven interfaces and multi-tenant RBAC systems to engineering RESTful APIs handling complex data workflows. Proficient in React, Next.js, Node.js, Express.js, NestJS, MongoDB, PostgreSQL, and TypeScript, with a deep commitment to clean architecture, performance optimization, and shipping production-ready code that scales.

Education

Khwaja Fareed University of Engineering and Information Technology (KFUEIT)

BS Computer Science

Computer Science

Rahim Yar Khan • 2023 – 2027

Pursuing a Bachelor's in Computer Science with coursework in Data Structures, Algorithms, Database Systems, Software Engineering, and Web Technologies. Applying academic foundations to real-world full-stack development projects.

<https://www.kfueit.edu.pk>

Experience

Mercury Sols

Rahim yar Khan

MERN Stack Developer

Feb 2026 – Present

- Architecting and delivering full-stack web applications using React, TypeScript, Node.js, and MongoDB for diverse client projects.
- Engineered real-time features with Socket.IO and WebSocket integrations for live data streaming and collaborative interfaces.
- Designed and implemented multi-tenant RBAC systems with JWT authentication and role-based middleware for secure API access.
- Optimized frontend performance through lazy loading, memoization, and code splitting, achieving 90%+ Lighthouse scores.

<https://www.mercurysols.org>

Funnels Kingdom

Rahim Yar Khan

Full Stack Web Developer

Nov 2023 – Dec 2025

- Built and shipped scalable full-stack web applications using React, Node.js, Express.js, and MongoDB, serving production traffic.
- Integrated third-party APIs (payment gateways, CRMs, analytics) ensuring seamless data flow and system interoperability.
- Engineered RESTful APIs with optimized MongoDB schemas and indexing, reducing average query response times significantly.
- Implemented CI/CD-ready codebases with Git-based workflows, code reviews, and structured branching strategies.
- Delivered responsive, cross-browser UIs using Tailwind CSS, Material UI, and component-driven architecture.
- Collaborated with cross-functional teams to translate business requirements into technical solutions within tight deadlines.

<https://www.funnelskingdom.com>

Customer Care Support System

- Architected a **React 19 + TypeScript** customer support platform with **Vite/SWC** for optimized production builds and fast developer experience.
- Engineered **real-time ticket updates** via **STOMP/SockJS WebSockets** with automatic reconnection and exponential backoff handling.
- Delivered **multi-tenant routing** (system/agency/subaccount/customer) with **React Router v7** and granular role-based access guards.
- Built **type-safe forms** with **react-hook-form + zod** validation and rich knowledge base authoring using **TipTap** editor.
- Integrated **Firestore Cloud Messaging** service worker for background push notifications with in-app toast system via **Sonner**.
- Designed **accessible, themeable UI** with **Tailwind CSS v4 + Radix UI** primitives, and high-performance data grids using **TanStack Table**.

SafeGuard Tracking – Real-Time GPS Dashboard

- Built a **real-time GPS tracking dashboard** using **React** and **Socket.IO** for live location monitoring with sub-second latency.
- Implemented **interactive map visualizations** with dynamic marker updates, geofencing alerts, and route history playback.
- Engineered **WebSocket-driven data streaming** architecture for continuous location updates across multiple tracked entities.
- Designed a **responsive, performance-optimized UI** with efficient re-rendering strategies for high-frequency data updates.

Team Management System – MERN Collaboration Platform

- Architected a **secure MERN-based team management platform** with **three-tier RBAC** (Admin, Manager, Team Member) and **JWT-secured APIs**.
- Built a **dynamic Kanban task board** with drag-and-drop, priority levels, deadlines, and multi-member task assignments.
- Designed **role-specific analytics dashboards** with real-time performance metrics and data visualizations using **Chart.js**.
- Engineered **scalable REST APIs** with **Node.js, Express, and MongoDB**, paired with **Redux Toolkit** for predictable state management.

MERN Mail – Email Campaign Manager

- Developed a **TypeScript-based full-stack application** for secure, scalable email campaign management and lead generation.
- Implemented **multi-account SMTP email dispatch** using **Nodemailer** with centralized audit logging and delivery tracking.
- Built **JWT authentication with RBAC** (Admin/User), **bcrypt** password hashing, and secure account recovery flow.
- Designed a **modern analytics dashboard** with campaign metrics using **React, Tailwind CSS, and Shadcn/UI** components.

Cyborg Gaming – Backend Platform

- Led backend development for a **gaming platform** using **Node.js** and **Socket.IO**, achieving **99.8% uptime** in production.
- Optimized **database queries and indexing strategies**, reducing average response times by **40%**.
- Integrated **third-party gaming APIs and payment systems** with robust error handling and retry mechanisms.
- Engineered **real-time multiplayer communication** layer supporting concurrent **WebSocket** connections at scale.

Projects

Elentra Car API – Node.js Backend

- Architected a **scalable Node.js REST API** for automotive data management with optimized MongoDB schemas via Mongoose.
- Implemented **JWT-based authentication and authorization** middleware for secure, role-protected API endpoints.
- Built **centralized error handling and logging middleware** ensuring API stability and streamlined debugging.
- Validated all endpoints with **Postman test suites**, ensuring reliability under high-traffic conditions.































Knowledge Base CMS – PHP Web Application

- Developed a **PHP-based content management system** for structured knowledge base articles with full lifecycle management.
- Implemented **role-based access control** (Admin/User) with secure dashboards, AJAX-driven interactions, and permission handling.
- Built **advanced search and filtering** for fast content retrieval across keywords, categories, and article status.
- Hardened against **SQL injection, XSS, and CSRF** using parameterized queries and secure backend practices.

Vue Jobs – Job Seeking SPA

- Developed a **single-page job portal** using Vue.js with full CRUD operations and client-side routing via Vue Router.
- Integrated **RESTful APIs with Axios** for dynamic job data management with optimistic UI updates.
- Designed a **responsive, mobile-first UI** with Tailwind CSS, form validation, and accessible navigation patterns.

Skills

 React	 Next	 Angular	 Node	 Nest
 Express	 MongoDB	 MySQL	 PostgreSQL	 Vue
 Tailwind CSS	 Redux Toolkit	 Zustand	 Material UI	 ShadCN UI
 JavaScript	 TypeScript	 Bootstrap	 Rest APIs	 Socket.IO
 HTML5	 CSS3 / SCSS	 PHP	 Git / Github	 Swagger / Postman
 TanStack Query	 Firebase	 Supabase	 Vercel	 VS Code

Certifications

Advanced React

Meta

[Show Credential ↗](#)

PHP Tutorial

W3Schools

[Show Credential ↗](#)

Database Structures and Management with MySQL

Meta

[Show Credential ↗](#)

Solving Problems with Creative and Critical Thinking

IBM

[Show Credential ↗](#)

Programming with JavaScript

Meta

[Show Credential ↗](#)

Tailwind CSS

Scrimba

[Show Credential ↗](#)

Fundamentals of VueJS

Board Infinity

[Show Credential ↗](#)

Languages

English

Working Proficiency

Urdu

Native Language