

Moiz Rehman

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Islamabad, Pakistan

Professional Summary

Full-Stack Software Engineer who owns products end to end, from architecture to production. Builds and maintains live production systems with React, Next.js, TypeScript, Node.js, NestJS, PostgreSQL, MongoDB and Redis, including real-time web applications, admin panels, job queues and third-party integrations. Handles deployment and DevOps (Docker, CI/CD, Nginx, PM2, cloud hosting) and uses AI tools such as Claude, Cursor and GitHub Copilot daily to ship faster without compromising code quality.

Professional Experience

Full-Stack Developer (Freelance)

Mar 2025 – Present

Contract-Based

Islamabad, Pakistan

- Built and maintain a large-scale production web application end to end: Next.js/React + Zustand frontend on Vercel, Node.js/Express API on Railway, MongoDB Atlas, and Redis (Upstash) with BullMQ for real-time job queues
- Developed real-time features with WebSockets to sync live data to the UI
- Built a full admin panel (user search, pagination, request and verification management) plus two Telegram bots with inline approve/reject actions and admin commands
- Migrated user document storage from Base64 in MongoDB to Cloudflare R2 object storage via the AWS S3 SDK
- Debugged critical production issues, including a race condition between optimistic UI state and BullMQ workers, and a logout-on-refresh session bug traced through CORS, proxy and session logic
- Hardened security by removing hardcoded credentials, adding startup environment validation, AES encryption of sensitive data and a JWT refresh-token flow
- Used AI tools (Claude, Cursor, GitHub Copilot) daily for architecture planning, debugging and code generation, speeding up feature delivery across projects
- Now building a new platform for another client, designed for 40,000–50,000 users, with payment gateway integration and PWA support

MERN Stack Developer Intern (Backend)

Jul 2024 – Sep 2024

Softoo

Islamabad, Pakistan

- Developed server-side applications using Node.js and Express.js
- Built secure RESTful APIs integrated with MongoDB
- Implemented authentication and authorization using JWT and OAuth
- Wrote unit and integration tests using Mocha and Chai
- Tested APIs using Postman and collaborated using Git and GitHub

Frontend Web Developer

May 2023 – Oct 2023

CNEX

Rawalpindi, Pakistan

- Built responsive websites using HTML5, CSS3 (Flexbox/Grid), and JavaScript
- Converted Figma and PSD designs into pixel-perfect, functional web pages
- Styled interfaces using Bootstrap and Tailwind CSS
- Integrated frontend components with APIs and improved mobile responsiveness

Projects

Vertex Solutions Pvt Ltd – Corporate Website

2026 – Present

React, TypeScript, Vite, Tailwind, shadcn/ui, Node.js, Express.js

vertexsolutionspvtltd.com

- Developing and maintaining a live production corporate website for a taxation and business solutions company
- Built responsive UI components using React, Tailwind CSS, and shadcn/ui
- Integrated React frontend with RESTful APIs and handled hosting and deployment

ERP Platform – Multi-Tenant SaaS (Personal Project)

2025 – Present

NestJS, Next.js, TypeScript, PostgreSQL, Prisma, JWT, Docker

- Architecting a full-featured multi-tenant ERP SaaS with subdomain-based tenant isolation and per-schema PostgreSQL databases
- Built Super Admin dashboard, tenant management system, and role-based access control from scratch
- Implemented JWT authentication with HttpOnly cookies, refresh token rotation, and secure tenant-auth module

FBR Invoicing System (Personal Project)

2025 – Present

Electron.js, Node.js, Express.js, MongoDB, Redis, PM2, Nginx

- Developing an invoicing application compliant with Pakistan's Federal Board of Revenue (FBR) requirements, with an Electron.js desktop client
- Built the complete backend from scratch: JWT auth with device binding, subscription enforcement, audit logging, cron jobs, XSS/NoSQL-injection protection, and PM2/Nginx production setup

DevGuide – Full-Stack Developer Learning Platform (Personal Project)

2025 – Present

Next.js, TypeScript, Vercel

roadmap-ten-alpha.vercel.app

- Building a structured developer learning platform covering JavaScript, TypeScript, React, Next.js, PostgreSQL, and Supabase
- Features a built-in live code compiler, 40+ interactive code examples, and 8+ topic modules

Technical Skills

Languages: JavaScript (ES6+), TypeScript

Frontend: React, Next.js (SSR), Zustand, Context API, Tailwind CSS, shadcn/ui, HTML5, CSS3

Backend: Node.js, Express.js, NestJS, REST APIs, WebSockets, JWT, OAuth, BullMQ

Database: PostgreSQL, Prisma, MongoDB, Mongoose, Redis

DevOps & Cloud: Docker, CI/CD, Nginx, PM2, Vercel, Railway, Render, MongoDB Atlas, Cloudflare R2

AI Tools: Claude, Cursor, GitHub Copilot, ChatGPT

Tools: Git, GitHub, Postman, NPM, VS Code, Mocha, Chai

Education

SZABIST University – Islamabad Campus

2021 – 2025

Bachelor of Software Engineering

Islamabad, Pakistan