

# Muhammad Huzaifa

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## Professional Summary

Full Stack Developer with 2+ years of experience specializing in MERN stack and TypeScript development. Proven expertise in building scalable web applications, RESTful API development, and database management. Strong background in blockchain technology, IoT integration, and cloud deployment. Adept at implementing secure authentication systems and optimizing application performance. Passionate about creating efficient, maintainable code and solving complex technical challenges.

## Technical Skills

- **Frontend Development:** React.js, Next.js, Svelte, Tailwind CSS, Shadcn/UI, Redux, Context API, GSAP
- **Backend Development:** Node.js, Express.js, RESTful APIs, GraphQL, Prisma ORM, Knex.js
- **Programming Languages:** JavaScript (ES6+), TypeScript, C++, Solidity, Python
- **Blockchain/Web3:** Ethereum, Solidity, Web3.js, Ethers.js, Hardhat, Truffle, Ganache, Smart Contracts
- **Databases:** PostgreSQL, MongoDB, Firebase, SQLite, Database Design, Optimization
- **DevOps & Cloud:** AWS (EC2, S3, Lambda), Vercel, Docker, CI/CD Pipelines
- **Testing:** Mocha, Chai, Jest, Unit Testing, Integration Testing
- **IoT Development:** PlatformIO, ESP32, Embedded Systems, Firmware Development
- **Development Tools:** Git, GitHub, Docker, LaTeX, Postman, JIRA, Agile Methodologies
- **Operating Systems:** Linux

## Professional Experience

### OIRRC — Junior Web Developer

JB Tower, Peshawar  
- Present

- Developed and maintained 5+ scalable full-stack applications using Next.js, handling both client-side and server-side logic, resulting in 30% improved performance
- Designed relational database schemas using PostgreSQL, optimizing queries that reduced response times by 40%
- Implemented Prisma ORM for efficient database modeling, migrations, and queries across 3 major projects
- Containerized applications using Docker, streamlining deployment processes and reducing setup time by 60%
- Collaborated in Agile teams, participating in daily standups, sprint planning, and code reviews

### Code Crush — MERN Stack Developer

University Road, Malakand

- Designed and developed 4 full-stack web applications using MERN stack (MongoDB, Express, React, Node.js)
- Implemented JWT authentication and authorization systems, enhancing application security
- Optimized MongoDB queries and indexes, improving database performance by 35%
- Developed RESTful APIs with Express.js, serving data to React frontends with 99.8% uptime
- Participated in Agile development cycles, completing 15+ user stories per sprint

## Key Projects

### Blockchain Criminal Records System

[GitHub](#)

- Led development of blockchain-powered platform for secure criminal record management using CNIC and facial recognition
- Implemented smart contracts for immutable record storage with role-based access control
- Designed React frontend with Tailwind CSS for intuitive user experience
- Reduced record retrieval time by 50% compared to traditional databases
- **Technologies:** Next.js, Tailwind CSS, MongoDB, Ganache, Truffle, Solidity

Decentralized Chat Application

GitHub 

- Developed secure blockchain messaging platform with end-to-end encryption
- Implemented smart contracts for message validation and decentralized storage
- Achieved 200ms message delivery latency through WebSocket integration
- **Technologies:** Next.js, Hardhat, Ethers.js, Solidity, Web3.js

Xplore Hotel Management System

Live Demo 

- Designed and deployed full-featured hotel management platform for tourism industry
- Implemented real-time booking system with 95% accuracy in availability tracking
- Integrated AWS services for scalable cloud storage and computing
- Reduced administrative workload by 40% through automation features
- **Technologies:** React.js, Express.js, MongoDB, AWS (EC2, S3), Tailwind CSS

IoT Media Display System

GitHub 

- Developed Android TV applications for media management and display
- Implemented Firebase real-time database for instant media synchronization
- Created admin dashboard with user authentication and permission controls
- Reduced media delivery time from hours to seconds
- **Technologies:** Next.js, Firebase, Tailwind CSS, TypeScript, IoT Protocols

Education

<b>Bachelor of Computer Science</b> University of Peshawar GPA: 3.6/4.0 Relevant Coursework: Data Structures, Algorithms, Database Systems, Web Development, Blockchain Fundamentals	2020 – 2024
<b>Pre-Engineering</b> Islamia College Peshawar Majors: Mathematics, Physics, Chemistry	2018 – 2020

Certifications

- **Blockchain Developer Nanodegree** - Udacity (2023)
- **AWS Certified Cloud Practitioner** - Amazon Web Services (2023)
- **Full Stack Web Development** - Code Crush (2022)