

HUZAIFA SYED MUHAMMAD

Software Engineer

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Professional Summary

Software Engineering graduate from FAST NUCES with experience in web development, backend systems, blockchain applications, and IoT projects. Skilled in Java, JavaScript, SQL, REST APIs, Git, Docker, Linux, and modern software development practices. Experienced in building full-stack and decentralized applications through academic and personal projects. Passionate about solving complex technical problems, developing scalable software solutions, and continuously learning emerging technologies including cloud computing, DevOps, AI-assisted development, and Web3.

Technical Skills

Languages: Java, JavaScript, SQL, Solidity

Backend & APIs: Node.js, Express.js, REST APIs

Databases: MySQL, MongoDB

Web Development: HTML, CSS

Tools & Platforms: Git, GitHub, Docker, Linux, Raspberry Pi

Blockchain: Solidity, Hardhat, IPFS

Cloud & DevOps: AWS Fundamentals, DevOps Fundamentals

Core Concepts: Object-Oriented Programming, Data Structures & Algorithms, Software Testing

Projects

Blockchain-Based Certificate Verification System

Final Year Project

- Developed a blockchain-based platform for certificate issuance, verification, and revocation using Solidity, Node.js, Express.js, and IPFS.
- Designed REST APIs to enable secure communication between frontend applications, backend services, and blockchain smart contracts.
- Implemented decentralized certificate storage using IPFS and tamper-resistant verification through smart contracts.
- Collaborated in a team environment using Git-based version control and structured software development practices.

NFT Minting Smart Contract

- Developed smart contracts using Solidity and Hardhat framework.
- Implemented NFT minting functionality with metadata storage through IPFS.
- Explored decentralized application architecture and Web3 integration workflows.

Raspberry Pi Motion Detection System

- Built a motion detection system using Raspberry Pi Zero W and sensor-based event detection.
- Integrated hardware components with software logic to automate motion-triggered responses.
- Gained practical experience in embedded systems, IoT development, and device communication.

Personal Portfolio Website

- Designed and deployed a responsive portfolio website with a focus on usability and performance.
- Implemented mobile-friendly layouts and optimized user experience across devices.
- Managed hosting, deployment, and domain configuration.

Experience

Freelance Web Developer

Jan 2024 – Present

Remote

- Designed and deployed responsive websites with a focus on usability, mobile responsiveness, and performance.
- Managed hosting, domain configuration, website deployment, and basic technical maintenance.
- Improved website structure, UI/UX, and basic SEO practices for better user experience.

Education

Bachelor of Science in Software Engineering

Completed: 2026

FAST – National University of Computer and Emerging Sciences, Karachi

Intermediate in Computer Science
PECHS College, Karachi

Completed: 2021

Matriculation in Computer Science
Sun Bright Academy, Karachi

Completed: 2019

Certifications

- Flutter Developer – Bano Qabil, 2023
- Pitch Your Idea – TechnoFest, 2023
- MERN Stack – Udemy, In Progress