

Muhammad Asad Hussain

Software Engineer - MERN Stack

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SUMMARY

Software Engineering graduate with a strong foundation in problem solving, core programming concepts, databases, and web technologies. Skilled in Java, Python, JavaScript, SQL, and REST APIs. Proficient in backend systems, database modeling, and modern front-end frameworks. Eager to contribute to dynamic teams and deliver innovative software solutions in a growth-oriented environment.

EDUCATION

COMSATS Institute of Information Technology

Bachelor of Science in Software Engineering

Lahore

Sep. 2021 – Jul. 2025

EXPERIENCE

D2 Soft

Software Engineering Intern

Remote

Feb 2025 – April 2025

- Integrated Qualys data into a Node.js backend in collaboration with an international team.
- Participated in daily standups and communicated progress effectively over Zoom.

EzeeLogix

Software Engineering Intern

Lahore, Pakistan

Dec 2023 – Mar 2024

- Worked with the Development team as an intern.

TECHNICAL SKILLS

Languages: JavaScript, Java, Python, SQL, C, C++

Frameworks: Node, Express, React, FastAPI

Tools: Git, GitHub, Docker, Postman, Kubernetes

Cloud Platforms: AWS

Concepts: OOP, REST APIs, MVC Architecture

PROJECTS

Final Year Project Automation System | *Node.js, Express.js, React, PostgreSQL, Docker, GitHub Actions*

- Automated FYP workflow for 300+ students using microservices and secure VPS deployment.

X-Clone | *React, Node.js, Express.js, MongoDB*

- Social media platform (X/Twitter clone) with user authentication, post creation/deletion, and comment management.

E-Commerce Web Application | *React, Node.js, Express.js, MongoDB*

- Developed an e-commerce platform with user authentication, product listings, cart, and checkout functionality.

Todo List App | *React Native, Expo*

- Built a cross-platform mobile app with CRUD operations to manage daily tasks.

Weather App | *React Native, Firebase*

- Displays weather data based on device location using OpenWeatherMap API with Firebase user authentication.

CERTIFICATIONS

Cloud Native and Mobile Web Computing – PIAIC

2024

Focused on MERN stack development, cloud-native principles, REST APIs, and microservices.

Node.js – The Complete Guide – Udemy

2024

Comprehensive course covering Express, routing, authentication (JWT), MVC pattern, and backend development.