

# MAAZ HUSSAIN

(Software Engineer, Solidity Developer, MERN)

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## Skills

- JavaScript | TypeScript | MongoDB | MySQL | NodeJS | ExpressJS | ReactJS | Redux Thunk & Saga | Next.js
- Stripe | Git | React-Query | OAuth | Tailwind CSS | HTML5 | CSS3 | Python
- Firebase | CI/CD | Jest | Cypress | React Testing | OOP | Error Handling & Logging
- Solidity | Rust | Web3.js | Ethers.js | Hardhat | Foundry | Smart Contracts | Blockchain | Decentralized Finance
- Vercel | Netlify | REST API | GraphQL | Data Structures & Algorithms | System Design | Recoil | PostgreSQL
- Jest | Mocha | Chai | Cypress | Common Design Patterns in JS | Frontend | Backend | Full-Stack | English, Urdu

## Experience

<b>Blockchain Developer</b>	<u>DevTech Solutions</u>	09/2023 - Current
<ul style="list-style-type: none"><li>Developed and deployed <b>secure and gas-optimized</b> Solidity smart contracts for various blockchain applications, including <b>DeFi, NFT marketplaces, and DAOs</b>.</li><li>Implemented <b>custom ERC20, ERC721, and ERC1155 token standards</b> to support tokenized assets and NFT functionalities.</li><li>Designed and integrated <b>on-chain governance mechanisms</b> using Solidity and smart contract frameworks like <b>OpenZeppelin and Compound Governor</b>.</li><li>Developed and tested <b>smart contract security mechanisms</b> to prevent vulnerabilities such as <b>reentrancy, flash loan attacks, and overflow/underflow</b>.</li><li>Utilized <b>Hardhat, Foundry, and Anvil</b> for efficient smart contract development, debugging, and test automation.</li><li>Integrated <b>Ethers.js and Web3.js</b> to connect dApps with Ethereum-based networks and <b>wallet providers</b> (MetaMask, WalletConnect).</li><li>Deployed contracts on <b>Ethereum, Polygon, and BSC</b> testnets and mainnets using <b>Alchemy, Infura, and Moralis</b> for blockchain node connectivity.</li></ul>		
<b>Software Engineer</b>	<u>CodeCrafters Labs</u>	01/2023 - Current
<ul style="list-style-type: none"><li>Developed and deployed <b>scalable full-stack applications</b> using <b>React.js, Next.js, Node.js, and Express.js</b>, enhancing application performance and responsiveness.</li><li>Designed and implemented <b>RESTful APIs and GraphQL endpoints</b>, reducing response times by <b>40%</b> and improving backend efficiency.</li><li>Built <b>serverless functions</b> using <b>Firebase Cloud Functions</b> for cost-effective and scalable backend solutions.</li><li>Integrated <b>blockchain functionalities</b> into web applications, enabling users to interact with <b>smart contracts and decentralized finance (DeFi) protocols</b>.</li><li>Managed <b>stateful front-end applications</b> with <b>Redux, Zustand, and Context API</b>, improving user experience and real-time data handling.</li><li>Utilized <b>TypeScript</b> for strict type-checking, reducing runtime errors and improving overall code maintainability.</li></ul>		
<b>Software Engineering Intern</b>	<u>CodeCrafters Labs</u>	06/2022 - 12/2022
<ul style="list-style-type: none"><li>Assisted in building a <b>React.js and Node.js-based SaaS application</b> for enterprise clients, enhancing data management efficiency.</li><li>Developed and optimized <b>front-end components</b>, reducing load times by <b>25%</b> using lazy loading and caching techniques.</li><li>Implemented <b>API integrations</b> with third-party services, streamlining data synchronization and improving backend operations.</li><li>Created <b>responsive, mobile-first designs</b>, following <b>Material Design and Tailwind UI best practices</b> for seamless user experience.</li><li>Contributed to <b>code reviews and agile development meetings</b>, improving team collaboration and best practices adherence..</li><li>Worked closely with DevOps engineers to deploy applications using <b>Docker, AWS EC2, and Kubernetes</b>, ensuring <b>scalability and fault tolerance</b>.</li></ul>		
<b>Software Engineer</b>	<u>Final Year Project</u>	09/2023 - 07/2024
<ul style="list-style-type: none"><li>Full Stack Ecommerce Web Application with microservice architecture ensuring all the industry standards.</li></ul>		

## Education

<b>Bachelor of Science</b>	<u>Institute of Management Sciences</u>	Peshawar, KPK, Pakistan	2020 - 2024
<ul style="list-style-type: none"><li>Major in Computer Science</li></ul>			

## Projects

Decentralized Exchange (DEX), Crowdfunding Platform, Job Board Platform, Employee Management System, LinkedIn Clone, NFT Marketplace, DAO Governance System, Blockchain-based Voting System, Stablecoin Protocol and more ...

## Mentorship

- Coding Bootcamp Mentor:** Responsible for mentoring and giving career advice to junior batch students.
- Computer Science Tutor:** Programming | Data Structure and Algorithms | Career advice | Coding interview prep | Solving Leetcode Problems.