

Malik Mehmood Asghar Principal Software Engineer

Contact Information:

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Summary: Experienced Principal Software Engineer with expertise in .NET 6, C#, Solidity, Scilla, and Mermaid. Proven track record in architecting and leading complex software projects, fostering collaboration and delivering scalable solutions. Strong problem-solving skills and a deep understanding of software design principles. Committed to staying current with industry trends and driving technological advancement for organizations. Seeking opportunities to build innovative applications and drive digital transformation.

Skills:

- Programming Languages: .NET 6, C#, Solidity, Scilla, Mermaid
- Web Development: HTML, CSS, JavaScript, ASP.NET
- Frontend: React, Angular, Vue.js
- Backend: Node.js, Express
- Database: SQL Server, MySQL, MongoDB
- Blockchain Technologies: Solidity, Scilla
- Version Control: Git
- Problem Solving and Troubleshooting

Experience: Principal Software Engineer

- Architect and lead the development of robust and scalable applications using .NET 6 and C#.
- Design and implement smart contracts and blockchain solutions for decentralized applications using Solidity and Scilla.
- Utilize Mermaid to create clear and concise visual representations of complex system architectures and workflows.
- Drive the design and development of frontend applications using React, Angular, and Vue.js, ensuring a seamless user experience.
- Implement RESTful APIs and leverage Node.js and Express for efficient backend development.

- Integrate various databases, including SQL Server, MySQL, and MongoDB, to store and retrieve data efficiently.
- Conduct code reviews and provide constructive feedback to enhance code quality and maintain best practices.
- Collaborate with product managers and stakeholders to gather requirements and translate them into technical specifications.
- Play a key role in the planning and execution of projects, adhering to timelines and delivering high-quality results.

Web Projects:

1. LaunchX:

- a. Technologies Used: Frontend - React, HTML, CSS; Backend - Node.js, Express; Database - MongoDB
- b. Description: {Gateway to successful project launches beyond in Crypto Space}

2. Defi Sports: <https://defisports.com/>

- a. Technologies Used: Frontend - React, HTML, CSS; Backend - Node.js, Express; Blockchain - Solidity, Web3.js
- b. Description: {DeFi P2E Game and Ecosystem}

3. Ignitium:

- a. Technologies Used: Frontend - HTML, CSS, JavaScript; Backend - PHP, MySQL
- b. Description: {Igniting Innovation in the world of Blockchain}

4. Visual NFT:

- a. Technologies Used: Frontend - Vue.js, HTML, CSS; Backend - Node.js, Express; Database - MongoDB
- b. Description: {Visually stunning and unique digital assets / NFTs}

5. NFT Luddo:

- a. Technologies Used: Frontend - Angular, HTML, CSS; Backend - Python, Django; Blockchain - Solidity, Web3.js
- b. Description: {A gaming experience fueled with NFTs}

6. Defi MarketPlace: <https://marketplace.defisports.com/>

a. Technologies Used: Frontend - React, HTML, CSS; Backend - Node.js, Express; Blockchain - Solidity, Web3.js

b. Description: {Market Unleashing powers of Decentralized Finance}

7. Layer 3:

a. Technologies Used: Frontend - React, HTML, CSS; Backend - Node.js, Express; Database - MongoDB

b. Description: {Frontiers and layers in the 3rd layer of Blockchain Technology}

8. Pangu Air Club:

a. Technologies Used: Frontend - HTML, CSS, JavaScript; Backend - Python, Django; Blockchain - Solidity, Web3.js

b. Description: {Aviation and Blockchain Powered Solutions}

9. E-commerce Website

- Technologies Used: .NET 6, C#, ASP.NET, Angular, MongoDB
- Description: Developed an e-commerce website from scratch using .NET 6 and C# for backend logic, Angular for frontend, and MongoDB as the database.

10. Supply Chain Management dApp

- Technologies Used: Solidity, Scilla, Vue.js, Express, MySQL
- Description: Contributed to the development of a supply chain management decentralized application, leveraging Solidity and Scilla for blockchain functionalities, Vue.js for frontend, and Express for the backend.

11. Mermaid Flowchart Visualization Tool

- Technologies Used: Mermaid
- Description: Created a web-based tool using Mermaid to generate flowcharts and diagrams from textual descriptions.

Mobile Projects:

1. Novum App:

a. Technologies Used: React Native, JavaScript

b. Description: {All-in-one Crypto Management Solution App}

2. Funk Wallet:

a. Technologies Used: React Native, JavaScript

b. Description: {Wallet for secure and user-friendly Crypto Storage}

3. Wallet X:

a. Technologies Used: React Native, JavaScript

b. Description: {Cutting edge wallet for Digital Assets}

4. Quamfy App:

a. Technologies Used: React Native, JavaScript

b. Description: {A Crypto investment App}

Working Hours:

- Available to work 40 hours per week.

Working Location:

- Only interested in remote positions.

Education: Master's in Computer Science

Languages:

- English (Fluent)
- Urdu

References: Available upon request.