VYANKATESH MANWADE

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SUMMARY

Full Stack Developer with 2.5+ years of experience in .NET Core, Angular 2, and MSSQL. Proficient in applying software design patterns and SOLID principles to deliver robust and maintainable code. Proven track record of designing and developing high-quality web applications. Experienced in collaboration, dedicated to delivering efficient, scalable solutions. Seeking to leverage expertise in a forward-thinking team environment.

SKILLS

Frameworks	Angular 2, Microsoft .NET Core
Libraries	RxJS, PrimeNG, Dc.js, D3.js
Languages	C#, TypeScript, JavaScript, Java
Databases	Microsoft SQL Server, MySQL
Tools	GIT, SVN, Postman, VSCode, Visual Studio

EXPERIENCE

Full Stack Developer — July-2021 - Current
Tata Consultancy Services Ltd — *Pune, India*

- Designed and implemented angular frontend modules to enable lazy loading within the application, resulting in a 20% performance enhancement.
- Developed an Angular component library, reducing development time by about 30% and enhancing reusability..
- Created user interfaces using Angular 2, following Figma designs to ensure pixel-perfect accuracy and user-centric experiences.
- Responsible for the development of backend services and APIs using .NET Core to support frontend functionality, ensuring seamless integration between frontend and backend services.
- Managed development of the visualization charts using DC.js, D3.js, and Crossfilter libraries to provide interactive data insights and enhance user understanding..
- Prepared SQL stored procedure for tasks requiring multiple SQL statements, especially those performed frequently, to improve database performance and maintainability.
- Performed Peer code reviews and provided constructive feedback to team members to maintain code quality.

Blockchain Developer/ Intern — Jan 2017 - Jan 2019

- Contributed to the development of a document management system for clinical trials using Hyperledger Fabric, specifically focusing on the Electronic Trail Master File (eTMF) functionality.
- Utilized Hyperledger Fabric to implement smart contracts and distributed ledger technology for secure and transparent document management within clinical trials.
- Designed and implemented the frontend using HTML, CSS, and Bootstrap to create a user-friendly interface for accessing and managing clinical trial documents.

PROJECTS

BlockStarter . Blockstarter, a decentralized crowdfunding platform, uses Ethereum blockchain technology and Next.js for the frontend. Leveraged smart contracts to automate crowdfunding processes securely.

- Engineered and wrote smart contracts using Solidity to facilitate crowdfunding campaigns, operating on a 50% consensus algorithm.
- Developed the front-end interface using Next.js to provide a seamless user experience.

- Utilized Ganache CLI for local testing and debugging of smart contracts before deployment to the Ethereum network.
- Tested Ethereum transactions using Truffle wallet to ensure the integrity and security of fund transfers.

Simulation Of Automated Guided Vehicle .

- Created visualization system for AGV using ROS2 Gazebo simulation environment, incorporating Java-based module coding for ROS2 integration.
- Used Adaptive Monte Carlo algorithm for localization and A* algorithm for navigation.
- Integrated sensor data for real-time feedback on AGV movement and environment perception.
- Collaborated with team to ensure project adherence to requirements and deadlinesa.

EDUCATION

Bachelor of Engineering – Computer Engineering 2017 - 2021
Pune Vidyarthi Griha's College of Engineering, Pune

Earned Cumulative SGPA of 9.31 while actively participating in Hackathons like Smart India Hackathon and Hackathons arranged by various colleges..

HONORS AND PUBLICATIONS

- Published Research paper titled Future of Clinical Trial Documentation Management: eTMF Integrated with Blockchain
- Participated in the Code to Japan Algorithm Challenge, securing 50.8 points.
- Completed N4 level Japanese course from Hirameki Solutions India Pvt. Ltd, Pune.