Madhumitha Rathinasamy

Full Stack developer

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SUMMARY

Experienced Full Stack Developer with 1.8 years specializing in Angular and Node.js. Proficient in creating dynamic front-end interfaces and scalable back-end services. Skilled in integrating blockchain technology and Web 3 solutions. Collaborative team player committed to delivering high-quality, maintainable code. With 4.5 years of overall industry experience, I continuously refine my skills and stay updated with the latest technologies to drive innovation and exceed project goals.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Solidity
Frameworks: Angular(14,16,17), Express, Nestjs,Tailwind (flowbite), Truffle, Hardhat
Developer Tools: Git,Fuse Template, RemixIde, Ganache
Libraries: Angular material, Angular universal, Nestjs passport, Nestjs swagger, SocketIO, and wagmi/viem

EXPERIENCE

Full Stack Developer - Sparkout Tech Solutions   OCT. 2022 – May. 2024

Angular Development:Angular 14,16,17

- Assisted senior developers in building and maintaining Angular applications, contributing to feature implementation and bug fixing.
- Created reusable components, implemented Angular directives and services, and utilized two-way data binding for efficient user interactions.
- Supported state management with NgRx, implemented Angular Router for secure navigation, and configured lazy loading for performance optimization.
- Developed and validated reactive and template-driven forms, and debugged issues using Angular and browser developer tools.
- Led frontend development for an error logger application, implementing error handling and logging mechanisms.
- Simplified development with Angular 16's standalone components, reducing dependency on NgModules.
- Enhanced the application with Flowbite components, customizing them for improved user experience and responsiveness.
- Adopted self-closing tags and modern HTML5 standards, improving code readability and maintainability.
- Designed reusable components to promote code reuse and consistency, focusing on a seamless user experience.
- Utilized Angular 17's module system, structuring the application into cohesive, reusable modules.
- Managed reactive data with Angular's signal system, improving responsiveness and dynamic data updates.
- Facilitated component communication with the bindToComponentInputs method and the @Input decorator.
- Developed reusable components, utilizing TypeScript interfaces for type safety and improved code readability.
- Optimized performance with Angular 17's differential loading and Ivy renderer, enhancing the user interface with advanced templating features.

Node Development :

- Implemented the backend using Node.js with Express.js to handle API requests and manage server-side operations
- Designed RESTful APIs for seamless communication between the frontend and backend services.
- Integrated MongoDB as the database solution to efficiently handle data storage and retrieval.
- Used Mongoose for schema design and data validation to ensure data consistency and integrity.
- Implemented real-time data transfer using Socket.IO for instant updates and notifications, enhancing user interaction and experience.
- Developed functionality for users to select listed tokens in real-time, leveraging Socket.IO for immediate updates in the database.
- Developed user authentication and authorization mechanisms to ensure secure access to the application.
- Implemented JWT (JSON Web Tokens) for secure user sessions and data protection.
- Optimized server performance by using asynchronous programming and efficient API endpoint design.

- Documented API endpoints, database schemas, and application architecture for reference and future development.
- Collaborated with designers and other developers to ensure a cohesive and high-quality product.

Cognizant Technology Solutions   Oct 2021 - Sep 2022
Programmer Trainee
- Led software upgrade initiatives, integrating upgraded components seamlessly and enhancing system capabilities
- Conducted testing and quality assurance, successfully completing the upgrade and improving overall system performance
- Addressed and resolved key challenges, ensuring the project's success and maintaining its upgradability for future enhancements

Focus Edumatics Pvt. Ltd   Oct 2019 - Oct 2021
Online Tutor
- Provided online tutoring sessions to students, helping them achieve academic success

EDUCATION

Bharathiar university
PSGR Krishnammal College for women   *2016 - 2019*