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

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| PSGR Krishnammal College for women | 2016 - 2019 |