SANTHIYAK

Junior Software Developer

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CAREER OBJECTIVES

I specialize in building efficient and scalable web applications using **Node.js**. My expertise lies in developing server-side applications, handling backend logic, and optimizing APIs for seamless performance. I am skilled in managing databases, implementing authentication, and ensuring secure and efficient communication between the client and server. My focus is on creating robust and scalable solutions that enhance the functionality of web applications.

EDUCATION

Bachelor of Technology(B.Tech(IT))   2019 - 2023
Vivekanandha College of Technology for Women Tiruchengode, Namakkal(DT)

HSC   2018 - 2019
SKV Matric Higher Secondary school,
M.Kandampalayam, Tiruchengode, Namakkal(DT)

SSLC   2016 - 2017
SKV Matric School, M.Kandampalayam,
Tiruchengode, Namakkal(DT)

TECHNICALSKILL

- Programming Language: JavaScript
- Frontend**:** HTML, CSS, JavaScript, React.js, Tailwind CSS
- Backend**:** Node.js, Express.js
- API Development & Testing**:** RESTful APIs, GraphQL, Postman, Swagger
- Testing Frameworks: Mocha, Chai

- Authentication & Security: JWT, bcrypt, OAuth (basic understanding)
- Package Management: npm, yarn
- Version Control: Git, GitHub
- Development Tools: VS Code, Nodemon, ESLint

Others: CORS, Middleware, Environment Variables (.env), MVC Architecture

CERTIFICATION

- Completion of "*Internet of Things(IoT) TrainingProgramme*" Conducted by Mahindra Pride Classroom, Naandi Foundation from 2022 to 2023.
- Completed Web Development Course in Nirmaan Organization.

WORK EXPERIENCE

Junior Node.js Developer

Anandh Techverce | September 2024 - Present

1. I am responsible for developing and maintaining backend services using Node.js, Express, and MongoDB. My role involves designing and implementing RESTful APIs, managing database operations, and ensuring secure authentication and authorization.

2. I focus on optimizing queries, handling errors efficiently, and maintaining secure data management practices. Additionally, I collaborate closely with frontend developers to ensure seamless integration and use Postman for testing.

3. My work also includes implementing role-based access control and integrating third-party services to enhance system functionality.

PROJECTS

1.TITLE: E-Commerce API Development

1. Designed and developed a robust backend for an e-commerce application using Node.js for server-side logic and MongoDB for data storage.Utilized Postman for API testing and documentation to ensure seamless integration and performance of the APIs.

2. Designed a modular, scalable backend architecture by organizing code into controllers, models, routes, and custom middleware for validation, error handling, and authentication.
3.   Implemented optimized database operations using Mongoose with efficient schema design, data validation, and queries, delivering a reliable API backend supporting real-time CRUD operations and smooth frontend integration.

2.TITLE: Direct-Access

1. I am currently engaged in the Direct Access CRM project using Node.js, where I focus on developing a robust and scalable backend. My role involves designing and implementing RESTful APIs, ensuring secure authentication and authorization, and managing MongoDB for efficient data handling.

2. I have integrated EJS-based email functionality for dynamic templating and seamless communication. To uphold code quality, I create comprehensive test cases using Mocha and validate API functionality with Postman and Swagger. My primary focus is on performance optimization, security enhancements, and seamless system integration to improve the CRM's efficiency and reliability

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3.TITLE: Real-Time Chat Application

1. I developed a real-time chat application using React, Node.js, and Socket.IO, enabling instant usertouser communication.
2. The project includes a fully functional frontend built with React.js and Tailwind CSS, and a scalable backend using Express.js and MongoDB for storing chat history and user information.
3. Implemented JWT-based authentication, ensuring secure user sessions.
4. Integrated Socket.IO to manage real-time message transmission, typing indicators, and online user status.
5. Employed Mongoose for schema-based data modeling, Postman and Swagger for API testing and documentation, and maintained clean code with ESLint and Nodemon.
6. Focused on modular architecture, performance optimization, and seamless UI/UX across devices.