DHARMADURAI V

CONTACT

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PROFILE SUMMARY

Associate Software Engineer at Test Yantra Software Solutions, currently transitioning into backend development. Gaining strong expertise in SQL (MySQL, Oracle PL/SQL), MongoDB, Node.js, and Express.js through technical training and hands-on practice. Eager to apply backend skills in real-time development projects and grow in a backend-focused role.

EDUCATION

2015-2019
 MUTHAYAMMAL ENGINEERING COLLEGE
- Bachelor of Engineering (Mechanical Engineer)

2021-2023
 MUTHAYAMMAL ENGINEERING COLLEGE
- Master of Engineering (CAD/CAM)

WORK EXPERIENCE

Test Yantra Software Solutions (india)pvt.ltd   FEB 2023- PRESENT
Associate Software Engineer

Siliconbricks Technologies Private Limited   JAN 2022 - FEB 2023
Software Engineer

PROFILE SYNOPSIS

- **Having 2+ years of experience as a trainer at TestYantra Software Solutions.**
- **Handled backend projects from requirement gathering through to design and coding phases, focusing on API development, database design, and performance optimization.**
- **Developed and maintained RESTful APIs using Node.js and Express.js for core features like product listings, user authentication, order management, and payment integration.**
- **Designed MongoDB schemas and implemented Mongoose for smooth interaction with databases to manage complex data models.**
- **Integrated JWT-based authentication and role-based access control for secure access to user and admin routes.**
- **Implemented advanced API features such as pagination, filtering, sorting, limiting and caching for optimal performance.**
- **Built middleware for input validation, error handling, and logging, ensuring robust API responses.**

TOOLS

- **Backend:**
   Node.js ,Express.js,Javascript
- **Database:**
   MongoDB, OracleDB, MySQL
- **Project Management Tool-Jira**
- **Version Control Tool-GitHub**

PROJECT 1

- **Domain Name: Natorus Tours**
- **Project Name: Natorus Tours**
- **Duration: 12 months**

DESCRIPTION

Natours is a travel booking backend application that manages tour packages, user accounts, bookings, and reviews. Built using Node.js, Express.js, and MongoDB, the app features secure JWT authentication, role-based access, advanced filtering and pagination, and integrates third-party services for geolocation and email handling.

ROLES AND RESPOSIBILITIES

● Developed and maintained RESTful APIs using Node.js and Express.js to travel tour data operations including creation, retrieval, update, and deletion.
 ● Designed MongoDB schemas and integrated Mongoose for smooth interaction with the database.
● Built middleware for request validation, authentication, and error handling to improve application robustness.
● Managed user authentication using JWT tokens and implemented secure routes for sensitive data access.
● Implemented advanced query features (filtering, pagination, sorting, limiting) in Express routes to enhance API usability.
● Optimized application performance by using async/await, caching strategies, and query optimization in MongoDB.
● Designed a modular code structure to separate concerns and maintain clean and scalable code.
● Integrated third-party APIs for address validation and geolocation services.

PROJECT 2

- Domain Name: E-Commerce
- Project Name: Alfa lavel
- Duration: 12 months

DESCRIPTION

 A full-featured e-commerce platform supporting product listings, user management, shopping cart, order processing, and payment integration. Built with Node.js, Express.js, and MongoDB to ensure high performance, scalability, and secure API endpoints.

ROLES AND RESPOSIBILITIES

● Developed and maintained RESTful APIs for product listings, user authentication, order processing, and payment integration using Node.js and Express.js.
● Designed and implemented MongoDB schemas to handle product, user, and order data efficiently.
● Integrated JWT-based authentication for secure user login and registration, including role-based access control for admin and customer users.
● Ensured API performance with features like pagination, filtering, and sorting for product listings.
● Created middleware for input validation, error handling, and logging.
● Collaborated with frontend developers to integrate APIs seamlessly and ensure a smooth user experience.
● Implemented security best practices for data protection, including HTTPS and sanitization of user inputs.

DESCRIPTION

I hereby declare that all information in this resume is true and correct to the best of my knowledge and belief.

DATE: Dharmadurai V

PLACE:Bengaluru