Abin T H

Node.js Developer

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SUMMARY

Enthusiastic self-learner, skilled in creating efficient software solutions. Demonstrating a consistent record of impactful achievements, committed to continuous personal growth, and staying updated on industry trends for innovative problem-solving.

PROJECTS

Tutor Trek | E-learning Platform   Live Link | GitHub

- This project establishes an interactive online learning platform that bridges teachers and students. Educators can upload educational videos, allowing students to watch and absorb content at their own convenience.
- The front-end is crafted with **React.js**, **Tailwind CSS**, and **MTW**, ensuring a robust user interface**.**
- Utilized **Redux** and **Redux Toolkit** for effective state management.
- The back-end is built using **Node.js**, **Express.js**, and **MongoDB** with **Mongoose** as the **ODM**, and adhering to **Clean Architecture** principles for enhanced maintainability, testability, and scalability.
- Implemented **TypeScript** throughout the application to facilitate static typing.
- Utilized **S3 Bucket** and **Cloudfront** for seamless course streaming and availability.
- Enhanced application performance by implementing **Redis Cache**.
- Containerized the application with **Docker** and integrated a **CI/CD** pipeline using **Jenkins**.
- Deployed on **AWS EC2** with **Jenkin**s for automation and **SonarQube** for code quality checks, ensuring robust deployment. Meanwhile, **Nginx** served as both a **Reverse Proxy** and a **Load Balancer**.
- Docker Image Server | Docker Image Client

Style Swap | E-commerce Platform   Live Link | GitHub

- This project is an E-commerce application dedicated to selling clothing items, where users can seamlessly purchase products while an admin monitors and maintains the application.
- Built using **Node.js**, **Express.js**, **Handlebars**, and **MongoDB**.
- Implemented **REST Architecture** to construct highly efficient and responsive APIs.
- Enhanced the user experience by introducing a **Guest User** feature.
- Integrated **Google authentication** and **Twilio** for user login.
- Enhanced search with debounce and boosted performance using **Redis caching**.
- Crafted a seamless user experience with **Wallet**, **Coupons**, and **Order Tracking**.
- Secured payments with **PayPal** and **Razorpay** integration.
- Enhanced performance and security by deploying on **AWS EC2** with **Nginx** as a **Reverse Proxy**.

MINI PROJECTS

React-Go Messenger | Social Media Platform   [GitHub](#)

- A real-time messaging application built using **React**, **Go, TypeScript**, and **WebSocket**, enabling instant and seamless user communication. Contributed actively within a dynamic team.

Fresh Bite | Food Delivery App   GitHub - [Server](#) | [Client](#)

- A mini project built on the **MERN** stack and **TypeScript**. Users can easily browse their favorite food items through this user-friendly application.

Netflix Clone | Replicated Netflix UI   [GitHub](#)

- Developed a replica of the Netflix user interface using **React**, and **TMDB** to gain hands-on experience with UI design and component integration.

OLX Clone | Replicated OLX UI   [GitHub](#)

- Crafted a dynamic replica of the OLX online marketplace interface using **React**, and **Firebase** by applying modern web design principles and responsive user experiences.

SKILLS

Languages: JavaScript, TypeScript

Front-end Development: React.js, Redux, Redux-toolkit, Axios, Ajax, HTML, CSS, Bootstrap, Tailwind CSS, Yup, Formik, React-router, Parcel, Webpack

Back-end Development: Node.js, Express.js, Clean Architecture, MVC Architecture, REST

Databases: MongoDB, PostgreSQL, Redis

Integrations: JWT (JSON Web Token), Google Auth, Twilio (for SMS), Nodemailer (for sending emails), Socket.IO, WebSocket, PayPal, Stripe, Razorpay

Version Control & DevOps: Git, GitHub, Docker, Nginx, Postman, Swagger

Cloud Services: AWS, EC2, S3 bucket, Cloudinary

Other Skills: Data structures and algorithms, Agile, Scrum

Familiar With: Jenkins, CloudFront, SonarQube, Firebase, Jest.js, GraphQl, Figma, Cloudfare, RTK Query

EDUCATION

Bachelor of Computer Science   2019 - 2022
College of Applied Science Thiruvambadi, Calicut
CGPA: 7.4

Higher Secondary (Biology Science Stream)   2017 - 2019
Government Higher Secondary School Neeleshwaram, Calicut
CGPA: 7.7