Yedhu Krishnan

Software Engineer

👤 Profile

Highly skilled and motivated **Software Developer** with over 3.6 years of experience in developing and implementing innovative software solutions. Proficient in **JavaScript**, with a strong focus on **Node.js**, **React**, and **frontend/backend development**. Experienced in building robust, efficient, and scalable applications, and well-versed in **database management**, **real-time communication** (e.g., Socket.IO), and **cloud services** (e.g., Firebase).

💼 Employment History

Software Engineer at Kimball Electronics, Trivandrum
August 2021 — May 2024

Software Engineer at Tabaq Services, Abu Dhabi
June 2024 — present

🎓 Education

B.Tech, NSS College of Engineering, Palakkad
August 2017 — May 2021

Specialization: Electrical & Electronics Engineering
CGPA: 8.01

Projects

Tabaq Food Delivery App
June 2024 — Present

Description:

Developed **Tabaq**, an advanced food delivery application using **Flutter** and **Node.js** to deliver a seamless and efficient experience for users, restaurants, and delivery personnel. The application simplifies the food ordering process, ensures timely deliveries, and provides a user-friendly interface backed by a robust backend..

Responsibilities:

- Implemented user authentication and authorization mechanisms to secure sensitive data and provide role-based access control.
- Monitored and analyzed application performance, identifying and addressing bottlenecks to improve overall efficiency and user satisfaction.
- Integrated third-party services such as payment gateways and geolocation APIs to enhance app functionality and user experience.
- Engineered and maintained the Admin Panel for a food delivery app using Node.js and Express, ensuring robust functionality for managing restaurants, orders, and users.

Details

Email:
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Contact:
+91 7902943350
Date of birth: 07/04/1998

Skills

Expertise in building scalable and efficient server-side applications using Node.js and Express.js.

Experience with relational (MySQL) and NoSQL (MongoDB, Influx) databases, including CRUD operations and schema design.

Knowledgeable in implementing user authentication and authorization mechanisms using JWT, and secure password hashing.

Experienced with Git for version control, including branching, merging, and pull requests.

Experience deploying applications on cloud platforms such as AWS(Basic)

Proficient in developing dynamic, responsive user interfaces using React.js and React Hooks.Experienced with state management tools such as Redux and Context API for effective state management in complex applications

Expertise in handling form inputs, validation, and submission with library Formik .

- Developed and optimized order management functionalities, including real-time tracking, order status updates, and dispute resolution, to streamline operations and enhance user experience.

Technologies Used:

- **Backend**: Node.js, Express.js
- **Frontend**: Flutter, React
- **Database**: MySQL
- **Tools**: Git, Socket.IO, Firebase, Material-UI

EmTab NEX
Aug 2022 — June 2024

Description:

Developed an industry management web application designed to enhance operational efficiency and streamline product management for companies. The application features a comprehensive backend and a user-friendly frontend to support various business processes.

Responsibilities:

- Implemented a microservices architecture using Node.js and Express.js, designing and developing independent services to handle different aspects of the application, such as user management, product inventory, and operational reporting.

- Developed and maintained RESTful APIs and microservices for data management, business logic, and user authentication, ensuring secure and efficient interactions between services.

- Created a responsive and user-friendly interface using React and Material-UI, enhancing user experience and providing seamless interaction with the application's features.

- Configured and optimized databases to support microservices, handling data storage, retrieval, and consistency across different services.

Technologies Used:

- **Backend**: Node.js, Express.js, Microservices Architecture
- **Frontend**: React, Material-UI
- **Database**: MySQL, Influxdb, MongoDB
- **Tools**: Docker, Git, API Gateway,MQTT

EMTab
Aug 2021- Aug 2022

Description:

Developed **EMTab**, an industrial management application designed for monitoring and analyzing machine logs. The application was deployed across multiple terminals to provide real-time insights and support efficient machine management

Responsibilities:

- Designed and implemented the backend using Node.js and Express.js, creating robust APIs and services to handle data management, user authentication, and business logic

- Conducted performance tuning and optimizations for both frontend and backend services, ensuring high responsiveness and efficient handling of high volumes of dat.

- Successfully performed the installation of the EMTab application on over 50 terminals, ensuring proper setup and configuration at client sites.

Technologies Used:

- **Backend**: Node.js, Express.js
- **Frontend**: React, Material-UI
- **Database**: MySQL, Influxdb, MongoDB
- **Tools**:Git,MQTT, Nginx

Languages

English

Hindi

Malayalam

Tamil