AFSAL PT
MERN STACK DEVELOPER

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Passionate and self-driven MERN stack developer with 3 years of experience building scalable web applications and RESTful APIs. Skilled in JavaScript, React.js, Node.js, Express.js, and MongoDB, with hands-on experience in POS, fintech, and business management systems. Strong in real-time communication (Socket.IO), integrations, and backend architecture, with a track record of improving system reliability, performance, and user experience. Collaborative team player committed to delivering clean, maintainable, and production-ready code.

TECHNICAL SKILLS

- **Languages & Frameworks:** JavaScript, TypeScript, Node.js, Express.js, React.js, Tailwind CSS
- **Databases:** MongoDB, MySQL, Redis , Schema Design, Aggregation Pipelines, Indexing
- **Development Tools:** Git, GitHub, Postman, Docker
- **Cloud & Services:** Firebase, AWS S3, Textlocal, Render, DigitalOcean, Cloudinary, ImageKit
- **API & Communication:** REST API, Axios, JWT, Socket.IO, Twilio
- **Other Skills:** HTML5, CSS, Microservices, Mongoose, Multer, REST API, MVC Architecture

EXPERIENCE

Techon Innovations   **Feb 2025 - Present**
Role: Full Stack Developer

- Leading the team for a restaurant management system, overseeing development of POS, kitchen, and waiter modules using React.js, Node.js, Express.js, and MongoDB.
- Acted as solution architect, resolving complex issues in inventory, billing, and real-time updates.
- Designed and implemented TecBook modules for employee, quotation, and sales management to streamline business operations.

X-YUG Technologies Pvt Ltd   **July 2023 - Dec 2024**
Role: Backend Developer

- Contributed to backend development of fintech platforms, ensuring performance, security, and scalability.
- Assisted in planning and implementing API architecture with clean and maintainable code.
- Delivered production-ready APIs on schedule, supporting smooth feature releases.

PROJECTS

Restaurant Management System (POS system)

- Developed RESTful APIs and core functionalities for POS, kitchen, and waiter panels, covering order placement, KOT (Kitchen Order Ticket), and end-to-end billing workflows.
- Designed a flexible menu setup with combo items, categories, and dynamic pricing configurations.
- Built real-time order update system using Socket.IO with Redis Pub/Sub, ensuring instant communication across modules.
- Implemented stock deduction, employee & table management, and role-based access.
- Integrated a thermal receipt and KOT printing system using node-thermal-printer to automate and streamline receipt and kitchen ticket printing.

TecBooks

- Developed a business management web application to streamline core business operations for small and medium-sized businesses.
- Built Quotation Management features for creating, editing, and tracking quotations with customer details, pricing, and status management.
- Integrated ImageKit for secure and optimized file/document uploads, enabling efficient storage, retrieval, and delivery of business assets.

Gold ATM

- Developed admin panel APIs for managing accounts, ATM operations, stock, billing, and analytics.
- Integrated WhatsApp Cloud API to deliver real-time stock alerts and notifications to users.
- Automated billing and transaction document generation using HTML-PDF, improving operational efficiency
- Secured admin routes and optimized workflows to ensure smooth and reliable backend operations.

VBuy Gold

- Developed secure APIs for user registration, login (valuer, trustee, admin), and KYC verification to ensure compliance and controlled access.
- Integrated AWS S3 for efficient image uploads and secure document storage.
- Implemented Firebase for real-time push notifications and managed productSecured admin routes and optimized workflows to ensure smooth and reliable backend operations.
- Built APIs for ticket management and service amount calculations, streamlining user workflows.

EDUCATION

Bachelor of Science in Computer Science   **2019 - 2022**

- University of Calicut.

Higher Secondary Certificate (HSC), Computer Science

- SSHSS School   **2018**

LANGUAGES

- **Malayalam (native)**
- **English**
- **Hindi**