

Mohamed Sharuk

Full-Stack Developer

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Professional Summary

Full Stack Developer with 2+ years of experience developing enterprise web applications. Contributed across the development lifecycle, from requirement analysis, database design, frontend and backend development, deployment, and production support.

Professional Experience

Artifitia Solutions — Full Stack Developer

Aug 2024 – Present

Cyber Park, Calicut, Kerala

- Contributed to the development of an in-house enterprise web application from the ground up, participating in **requirement analysis**, **system design**, implementation, deployment, and production support.
- Developed and maintained full stack features using **React.js**, **Node.js**, **Express.js**, and **RESTful APIs**, delivering scalable solutions across the frontend and backend.
- Designed and optimized **MySQL database schemas**, complex queries, and relational models to ensure data integrity, performance, and scalability.
- Collaborated with stakeholders to gather **business requirements**, translate them into technical solutions, and continuously enhance the platform based on user feedback and evolving business needs.
- Integrated third-party services including **Zoho Books**, **Zoho Inventory**, and external **currency exchange APIs** to automate business workflows and enhance application functionality.
- Implemented **Socket.IO** for real-time notifications and **BullMQ** for background job processing, ensuring reliable application operations.
- Deployed and maintained the application on **AWS (EC2, S3)** with **Nginx**, configuring production environments to ensure reliability, availability, and efficient file storage.
- Mentored software development interns, supporting their technical growth through code reviews, debugging assistance, and knowledge sharing.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, SQL, HTML5, CSS3

Frontend: React.js, Redux Toolkit, SCSS, Bootstrap, React Bootstrap, Tailwind CSS.

Backend: Node.js, Express.js, RESTful APIs, Socket.IO, BullMQ

Databases: MySQL, MariaDB, MongoDB

Caching: Redis

Cloud & Tools: AWS (EC2, S3, Route53), Git, Postman

Integrations: Zoho Books, Zoho Inventory, Google OAuth 2.0, Firebase Cloud Messaging (FCM)

Projects

DCS – Enterprise Quotation & Project Management Platform

Full Stack Developer / Internal Enterprise Product / Production

Enterprise platform for product management, quotation lifecycle management, workflow automation, and business document generation.

- Designed and developed a modular quotation management system supporting project creation, user assignment, quotation generation, quotation merging, **multi-level approvals**, and **version management**.
- Built a centralized product management module with hierarchical categorization, parent-child relationships, distributor and manufacturer pricing and optimized product search using **FULLTEXT indexing** and **relational database design**.
- Implemented dynamic PDF and Excel document generation using HTML templates, **Puppeteer**, and **ExcelJS** for quotations, finance costs, cost summaries, estimation summaries, and preliminary reports.
- Integrated **Zoho Books** and **Zoho Inventory APIs** to automate sales order creation and inventory synchronization directly from quotations.
- Integrated **Currency Exchange APIs** for automated **multi-currency pricing** and **base currency conversion**.

Education

Bachelor of Computer Science — University of Calicut

2018 – 2021