

Akshay Kumar M

Full Stack Developer

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 Bangalore, Karnataka

With 2.5+ years of experience as a Full Stack Developer, I specialize in Node.js, Express.js, React, TypeScript, and PostgreSQL. I'm passionate about writing clean, scalable code and I'm always on the lookout for new technologies to expand my knowledge.

Work Experience

Software Developer | Eazy ERP Technologies Pvt Ltd, Bangalore

July 2024 - Present

- Developed client-specific reports data and APIs for business intelligence.
- Built reusable UI components and improved user experience.
- Debugged applications for potential error identification and resolution.
- Implemented clean code practices and maintained high code quality standards.
- Collaborated with cross-functional teams to deliver project objectives.

Backend Developer | MWS Research Centre, Erode

June 2023 - June 2024

- Designed and implemented database schemas and data models.
- Built robust REST APIs for CRUD operations.
- Generated comprehensive API documentation using Swagger UI.
- Developed comprehensive test cases ensuring 95%+ functionality coverage.
- Integrated external APIs and handled data exchange.

Software Developer | LevelX, Calicut

November 2022 - June 2023

- Developed reusable and self-contained UI components for enhanced user experience.
- Integrated external APIs and data sources for seamless data flow.
- Maintained clean, robust, and reusable codebase following best practices.

Skills

Backend - **NodeJs, TypeScript, ExpressJS, GraphQL, Loopback 4, NestJS, REST APIs, Microservices**

Databases - **PostgreSQL, MySQL, MongoDB, Firebase**

Frontend - **React, JavaScript, Tailwind CSS, SCSS, Angular, NextJS, CSS, HTML**

Tools - Sequelize, Prisma, Docker, S3, Twilio, Amazon EC2, Redis, RabbitMQ

Education

Bachelor of Computer Application

University Of Kerala | 2021

Projects

Recibo SFA

Recibo is a powerful Sales Force Automation tool designed for primary and secondary sales.

- Improved report generation performance by 40% through database **query optimization**.
- Created custom reports based on specific client requirements for data insights.
- Implemented new APIs to enhance system functionality and third-party integrations.
- Built and refined reusable UI components for seamless user experience.
- Participated in code reviews and architectural discussions.
- Debugged and resolved backend issues for smooth system operation.

Technologies used - ExpressJS, MySQL, GraphQL, Redis, WorkerThreads

DCON-AG - Drip Controller

DCON AG is an advanced application designed for agricultural use, allowing users to remotely control irrigation systems via the internet.

- Server performance has been enhanced through the integration of Redis Cache.
- RabbitMQ's AMQP has been incorporated to minimize the risk of packet loss during transmission from the device to the server.
- Automated migration of Stored Procedures and Function during application boot.
- Amazon S3 bucket was utilized as the file storage service.
- Utilized PactumJS for API unit testing.

Technologies used - Loopback 4, MQTT, PostgreSQL, Firebase ,JWT, Docker

WMC - Wireless Motor Controller

Innovative IoT controller for irrigation and fertigation, designed to provide efficient and hassle-free farm control from anywhere.

- Migrated legacy PHP server code to modern LoopBack 4 framework.
- Integrated Redis Cache, boosting **server performance** by 70%.
- Utilized Mocha and Chai for comprehensive API unit testing.

Technologies used - Loopback 4, MQTT, MySQL, Firebase, RabbitMQ

Personal Projects

Portfolio Website

Technologies used - NextJS, Tailwind CSS, ShadcnUI,Vercel

E-Commerce UI

Technologies used - React, TypeScript, Tailwind CSS

Blog Website

Technologies used - Angular, Tailwind CSS, Cloud Firestore, Firebase Hosting

Film Database

Technologies used - Angular, Tailwind CSS, Firebase Hosting, TMDB API

E-Commerce FullStack

Technologies used - Angular, Tailwind CSS, Firebase Hosting, Express, MongoDB, JWT, Render