

# 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

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### 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

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### 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