






RAJAGOWTHAM R

Software Engineer

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SUMMARY

Experienced Backend Developer with 2+ years of expertise in building scalable, high-performance applications. Passionate about crafting clean, efficient solutions and collaborating with teams to deliver reliable, enterprise-grade systems.

EXPERIENCE

Software Engineer

thinQ24 Innovations Pvt Ltd (AI-Powered HRMS Tech SaaS)

 02/2023 - 04/2025  Chennai, India

Transforming businesses with AI-powered HR tech, digital innovation, and secure, scalable solutions for future-ready growth.

Microservices & Database Development

- Built **5+ microservices from scratch** for employee management using NestJS and TypeORM.
- Designed **scalable multi-tenant database architecture** for 10K+ users, ensuring data isolation.
- Implemented **JWT authentication** and RBAC, reducing security incidents by **100%**.

Attendance System Leadership

- Developed **biometric/web/geo-fencing clock-in** system with real-time sync (**30% faster processing**).
- Automated attendance workflows (approvals/penalties) using **AWS RDS**, achieving **100% accuracy**.
- Solved global **timezone challenges** for distributed teams with UTC-based calculations.

Performance Optimization

- Reduced **GraphQL API latency by 40%** through query optimization and caching.
- Lowered **AWS RDS costs by 20%** by optimizing API hit configurations.

Team Leadership

- Mentored **3+ junior developers** on TypeORM and microservices best practices.
- Conducted **code reviews**, reducing production bugs by **25%**.

EDUCATION

Bachelor of Information Technology

Anna University-BIT campus

 06/2018 - 05/2022  Trichy, India

CERTIFICATION

Fundamentals of AI Concepts Badge

Microsoft

Fundamentals of Azure AI Services

Microsoft

Fundamentals of machine learning

Microsoft

Generative AI Badge

Microsoft

KEY ACHIEVEMENTS



Attendance Module Development
Successfully designed and implemented an advanced attendance tracking system that significantly improved attendance accuracy and compliance



Microservices Architecture Enhancement
Delivered scalable microservices architecture, improving application efficiency by 25%.

SKILLS

Backend

NodeJS, Nestjs, Java, JavaScript, Typescript |
Authentication: JWT, OAuth 2.0

Database & APIs

PostgreSQL, MySQL, MongoDB, Typeorm, REST, GraphQL, WebSockets

Architecture & Problem Solving

Microservices, Monolithic, Multi tenant, Data Structures and algorithms

Message Brokers & Event Streaming

Apache Kafka, RabbitMQ

DevOps

AWS EC2, S3, Lambda, AppSync, RDS, Docker (Containerization, CI/CD), Kubernetes (Basic)

Development Tools

VS Code, Git/GitHub (Version Control), Postman (API Testing), Push Notifications: OneSignal, Firebase Cloud Messaging (FCM)

PROJECTS

HRMS SAAS product

 06/2023 - Present  Chennai, India

Attendance Module Owner(HRMS Software)

- Built from scratch using microservices
- Delivered 30% faster processing
- Achieved 100% accuracy in penalty calculations
- Optimized APIs (40% latency reduction)

Task Management

 07/2024 - 10/2024  Chennai, India

Push Notifications

- Built task assignment engine with role-based access
- Implemented live comment updates & push notifications
- Reduced task resolution time by 35%
- Designed Socket architecture for real-time sync