

# Rithick J

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## Summary

A Backend Engineer with 1 year 6 months of experience, bringing a versatile approach and familiarity with full-stack development, adept at architecting scalable microservice and monolithic systems. Combines deep backend expertise with knowledge of frontend technologies and AWS cloud environments to deliver robust, end-to-end solutions. Highly focused on performance and aligning technical strategy with product goals, with a foundational understanding of AI agents.

## Skills And Technologies

Languages: JavaScript, TypeScript, Python, Java

Databases: PostgreSQL, MySQL, Redis, MongoDB

Frameworks: NestJs, Spring boot, Prisma ORM,

Cloud Technology: EC2, Lambda, RDS, Amplify, API Gateway, S3

Tools: Jenkins, Kong Gateway, SonarQube, Docker, Elastic Search, Kibana, BullMQ

## Language

Tamil - Read, Write, Speak [Native]

English - Read, Write, Speak [Fluent]

Telugu - Speak [Basic]

## Professional Experience

### CreamCollar EdTech | Intern - Chennai

Feb 2024 - Jun 2024 (4 months)

- Developed core components for front-end, back-end, and database layers.
- Integrated Moodle for learning management and user management.
- Executed authentication and authorization using Keycloak.
- Configured Kong Gateway for managing and securing API traffic.
- Created PostgreSQL schemas and optimized database queries.
- Created RESTful APIs using Express.js.
- Strengthened backend development and database integration skills.

### CreamCollar EdTech | Junior Full Stack Developer - Hyderabad

Jun 2024 – Oct 2025 (1 year 5 months)

#### Key Achievements:

- Led a 5-person engineering team to architect and build a custom in-house Learning Management System (LMS) from the ground up, successfully replacing the third-party Moodle platform to enhance feature customization and reduce operational costs.
- Spearheaded the architectural overhaul of the backend, migrating the system from a monolithic Express.js application to a scalable microservices architecture using NestJs, significantly improving deployment autonomy and system scalability.
- Engineered a seamless integration with the Zoom API and Webhooks to automate the creation, scheduling, and tracking of live virtual classes, improving the user experience for both students and instructors.
- Developed a chatbot to resolve common trainer queries, reducing the manual support workload and providing immediate, 24/7 assistance.
- Logging and monitoring using ELK and message queue using BullMQ.
- Achieved a 30% performance improvement through system optimization and architectural updates.
- Collaborated with cross-functional teams for system design, scalability planning, and code reviews.

## Projects

### Jira AI Agent – Oct 2025

Developed an AI agent for creation of JIRA tickets for the user requirements. This tool allows me to easily create the JIRA tickets and use those tickets to manage my own projects. I have used **Langgraph** for the agent orchestration and **Streamlit** for chatbot UI.

### Billify - Nov 2025

Developed a full-featured invoicing application with **Razorpay** payment integration for small scale industries. This tool allows users to generate professional invoices with automated calculations for taxes and discounts, export them as PDFs, and share them directly with customers via email or WhatsApp, significantly improving workflow efficiency. Used **React** hosted in **Amplify** for frontend and **NestJs** hosted in **AWS Lambda** with **Postgres** hosted in supabase as backend and **Jenkins** for CI/CD.

### ShotLog – Dec 2025

Developed a personal movie logging app where I can store the movies I watched throughout the year and add my reviews for the movie along with the scenes that I like. Used **Flutter** as the frontend and **Java 17** with **Springboot 3.2.0** hosted in **AWS Lambda** and **Postgres** hosted in supabase as the backend.

## **Education**

PSG College of Arts and Science, Coimbatore  
Bachelor of Computer Applications - **7.9 CGPA**  
Graduation Year: **2022**

Vels Institute of Science, Technology & Advanced Studies, Chennai  
Master of Science in Information Technology - **8.9 CGPA**  
Graduation Year: **2024**

## **Certificates**

**Cloud Security Basics** - University of Minnesota · Coursera

**Programming for Everybody (Getting Started with Python)** - University of Michigan · Coursera

**Getting Started with Microsoft Excel** - Coursera Project Network · Coursera

**Introduction to Data Analysis Using Excel**- Rice University · Coursera