

# Jaya Vel Rajan

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## Professional Summary

Java Backend Developer with 2.5+ years of experience building scalable microservices and RESTful APIs using Spring Boot, Hibernate, and JPA. Skilled in designing clean architectures, performance tuning, and debugging complex backend issues. Proven ability to deliver reliable, maintainable code in fast-paced Agile environments.

## Technical Skills

**Languages:** Java, SQL (MySQL, Oracle), Python, JavaScript, HTML/CSS

**Frameworks:** Spring Boot, Spring Batch, Spring Security, Hibernate, JUnit

**Software Development:** DSA, Design patterns, SDLC, Microservices Architecture

**Tools/DevOps:** Git, Maven, Jira, Jenkins

## Experience

### Software Engineer

Feb 2023 – Present

*Cognizant Technology Solutions*

*Chennai, India*

- Contributed to the end-to-end development of a large-scale **Healthcare Data Management System** for Sanofi using **Java, Spring Boot, Hibernate, and microservices architecture**, enabling efficient processing of patient health records and medical data across various therapeutic areas.
- Designed and implemented **RESTful APIs and backend services**, ensuring secure and efficient communication across distributed healthcare systems.
- Built and enhanced multiple microservices responsible for core healthcare functionalities such as **patient diagnosis tracking, therapeutic area categorization, data aggregation, and automated health notifications**.
- Integrated **Hibernate with JPA** to enable seamless ORM mapping and efficient database interactions for managing patient data and diagnostic records across **MySQL and MongoDB**.
- Developed and deployed **50+ new features** across backend modules, including clinician-facing tools and internal analytics enhancements, while actively **resolving bugs** and **improving code quality**.
- Collaborated with product owners, QA teams, and cross-functional stakeholders in an Agile/Scrum environment to refine healthcare-specific requirements and deliver production-ready solutions within time-boxed sprints.
- Participated in system design discussions, contributed to **technical documentation**, and **conducted peer code reviews** to ensure adherence to healthcare compliance standards and maintainable code practices.

### Software Engineer Intern

Mar 2022 – Aug 2022

*Cognizant Technology Solutions*

*Chennai, India*

- Completed comprehensive training in **Java EE, Spring Framework, Spring Boot, Hibernate, JPA, MySQL, MongoDB, React, and AWS**.
- Developed a full-stack **Credit Score Analysis Tool** using Vite + React for the frontend and Spring Boot for backend.

## Project

**LetMeExplain - AI-Powered Workplace Excuse Generator** [🔗](#) | *React (Vite), Spring Boot, Gemini Flash 2.0 API*

- Developed a **full-stack AI-powered web app** to generate professional excuses using user input and selected tone.
- Integrated **Gemini Flash 2.0 API** with custom prompt engineering for tailored responses.
- Built the frontend using **React + Vite** for seamless user experience and backend with **Spring Boot** REST APIs.
- Integrated **clipboard functionality**, real-time tone switching, and **clean UX** for professional polish.

## Education

### Prince SVPE College, Anna University

Aug 2018 – Apr 2022

*Bachelor of Engineering in Computer Science (CGPA 8.15)*

*Chennai, TN*

## Certifications

### AWS Certified Solutions Architect [🔗](#)

June 2024

*Amazon Web Services*

### AWS Certified Cloud Practitioner [🔗](#)

Nov 2023

*Amazon Web Services*