

# RAHUL KRISHNA

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**To take up a career in Software Development space where there is opportunity to learn new tools / technology and continuously contribute to the same**

## SYNOPSIS

- Java Developer professional with **3.5 years of work experience** in **Spring Boot, Microservices, Spring JPA and BigData(PySpark)**.
- Currently working as **Project Executive** with **The Zigma Technologies (P) Ltd**, Chennai, India.
- Strong expertise in Core Java, Multithreading, Collections, JDBC, Interface, Exception Handling, Annotations and Generics.
- Masters in Information Technology from University of Madras(IDE), Chennai.
- Well-versed in programming with **Java , Python and SQL**.

## EXPERTISE

- Proficient in working on multiple operating systems such as Windows and Linux On Physical cluster as well as **Cloud(AWS)**.
- Responsible for creating and maintaining architecture for **Restful API, Restful Web Services using Spring Boot**.
- Good understanding of Spring Modules such as Spring MVC, Spring Data JPA, Spring Security.
- Experienced in both **Waterfall** and **Agile (Scrum)** software development processes, and proficient in understanding CI/CD pipelines and associated DevOps tools.
- Basic knowledge of PySpark, including Adaptive Query Execution (AQE), for optimized distributed data processing.
- Experienced in developing complex SQL/PLSQL queries in relational databases like Oracle 11g.
- Experience in Features of Java 8.

## Significant Projects

### ERP

Description: This project involves the development of a microservices-based Enterprise Resource Planning (ERP) system designed to streamline and integrate core business operations. The system is built using a modular architecture, where independent microservices handle functionalities such as inventory management, stock loading, purchase order (PO) processing, distribution center (DC) tracking, delivery challans (DC), and installation reports. The system enables real-time tracking, inventory monitoring, and reporting for improved operational efficiency.

Customer: ELCOT

Tools used: Java, Spring Boot, Spring Cloud, REST APIs, JPA (Hibernate), Oracle 11g, HTML, CSS, Bootstrap, AJAX, Eureka Server, API Gateway, Config Server, Microservices Architecture, Docker.

### PAACS - Ticket Tracking Tool

Description: This project is a Spring Boot-based ticket management system designed to efficiently track and manage customer support requests, and project tasks. It also manages hardware assets such as computers, printers, fingerprint devices, batteries, cameras, and antivirus software. The system streamlines ticket assignment, status tracking, and reporting, improving operational transparency and response times.

Customer: TNSC Bank

Tools used: Java, Spring Boot, RESTful APIs, JPA (Hibernate), MySQL, HTML, CSS, Bootstrap, JavaScript.

### **Asset Management System - AMC**

Description: This project focuses on automating asset and employee management across 38 districts for the Public Election Department. The system manages employee details, attendance, and asset tracking with integrated reporting to stakeholders. It includes a secure login module, leave approval workflow, and annual maintenance tracking (AMC) for assets.

Customer: Public Election Department

Tools used: Java, Advanced Java (Servlets, JSP), JDBC, HTML, CSS, Bootstrap, JavaScript, SQL(MySQL), Tomcat Server.

### **Green Power Solar - Platform**

Description: This project focuses on building a data-driven solar energy analytics platform that captures processes and analyzes customer interactions, energy consumption data, and solar installation details to generate actionable insights. The platform supports 360° customer profiling, energy usage tracking, and personalized recommendations for optimized solar utilization

I contributed to the data engineering and backend development by designing and developing Spring Boot-based APIs and microservices, creating ETL workflows using Apache Spark, and integrating CSV and Parquet datasets. I optimized data ingestion pipelines using Sqoop, managed persistence with JPA/Hibernate on SQL databases, and deployed components to AWS (S3, IAM, Lambda) for scalable cloud processing.

Tools used: Core Java, Spring Boot, RESTful APIs, Apache Spark, Sqoop, JPA (Hibernate), SQL (MySQL/Oracle), AWS (S3, IAM, Lambda), CSV, Parquet, Microservices Architecture.

### **TOOL PROFICIENCY**

<b>Languages</b>	Java, Python, HTML, SQL, JavaScript (ES6)
<b>Frameworks &amp; Technologies</b>	Spring Core, Spring Boot, Spring JPA(Hibernate), Microservices, Servlets, JSP
<b>DevSecOps Tools &amp; Cloud</b>	Maven, Git/GitHub, Junit, Mockito, Agile-Jira, Docker & AWS(IAM Admin, EC2, S3, Lambda)
<b>Hadoop EcoSystem</b>	Map Reduce, HDFS, Sqoop, Hive, Hbase, Spark, PySpark Basics.
<b>Business Domains</b>	Public (TamilNadu Govt) & Retail (Open to exploring different business domains)

### **ACADEMIA**

- 2024      Master of Information Technology, University of Madras IDE, - GPA 7.71  
2019      B. Sc (Bachelors in Mathematics), SIVET, Chennai, marks secured- 60%  
2016      Intermediate Santhome HSS Chennai; marks secured- 57%