

## 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 BIG Data(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 aims to develop a comprehensive Enterprise Resource Planning (ERP) system to streamline and integrate key business operations. The system manages stock loading, monitoring, and inventory, and integrates Distribution Centers (DC), Purchase Orders (PO), and Delivery Challans (DC) along with installation reports into a unified platform. It enables users to efficiently track shipments, manage orders, and generate reports, improving operational efficiency and organizational decision-making.

Customer: Our Organization

Tools used: HTML, CSS, Bootstrap, AJAX, MySQL, Core Java, Spring Boot, REST APIs, JPA.

#### PAACS - Ticket Tracking Tool

Description: This project is a comprehensive Java-based application that manages and tracks ticket tickets efficiently. It is used for issue tracking, customer support, project management, and managing hardware assets like computers, printers, fingerprint devices, batteries, cameras, and antivirus software.

Customer: TNSC Bank

Tools used: HTML, SQL, Core Java, Spring Boot, REST APIs, JPA, Hibernate

**Asset Management -AMC**

Description: This project manages employees, assets, attendance, and reports across 38 districts, with information reported to stakeholders. The application includes a login system, leave approval workflow, and annual maintenance tracking of assets. It generates bills, optimizes costs, and implements preventive measures for asset management.

Customer: Public Election Department

Tools used: HTML, SQL, Core Java, Spring Boot, REST APIs, JPA.

**Green Power Solar - Platform**

Description: This project captures, processes, and analyzes customer interactions, energy consumption data, and solar installation details to provide actionable insights. The platform enables 360° customer profiling, energy usage tracking, and personalized recommendations for optimized solar usage. I supported the data team by developing Spring Boot API modules and microservices, designing ETL workflows using Apache Spark with CSV and Parquet formats, optimizing data ingestion using Sqoop, and managing persistence with JPA/Hibernate on SQL databases.

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

**TOOL PROFICIENCY**

Languages	Java, Python, HTML, SQL, JavaScript (ES6)
Frameworks	Spring Core, Spring Boot, Hibernate, Microservices, React JS*, Django ORM
DevSecOps Tools & Cloud	Maven, Git/GitHub, Junit, Mockito, Agile-Jira, Docke & AWS(IAM Admin, EC2, S3, Lambda)
Hadoop EcoSystem	Map Reduce, HDFS, Sqoop, Hive, Hbase, Spark, Pyspark Basics.
Business Domains	Public (TamilNadu Govt) & Retail (Open to exploring different business domains)

**ACADEMIA**

2024	Master of Information Technology, Unviersity 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%