

# RAJENTHAR JEGANATHAN

SOFTWARE ENGINEER

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## Summary

Accomplished **Software Engineer** with over **six years of experience** in building robust **enterprise applications** across diverse domains, including **aviation systems**, **real-time risk management**, and **e-commerce platforms**. Proficient in **Agile**, **Sprint**, and **Scrum** methodologies, with a strong emphasis on **process excellence** and team collaboration. Skilled in **full-stack development**, **database design**, and **technical documentation**, with a proven track record of delivering high-quality solutions. Recognised for being **self-motivated**, **trustworthy**, and highly **adaptable** in dynamic and collaborative work environments.

## Technical Skill

**Programming Languages:** Java | Python | PHP | JavaScript | Scala

**Database:** MySQL | MongoDB | Postgres | Hive

**Web Application:** React | HTML | CSS | Ag-Grid | Apex-charts | Material UI

**Version Control:** Git (BitBucket/Github)

**Framework:** Spring Boot | Spring Batch | Spring | Android | Apache Kafka | Redis

**Test:** Junit | Mockito

**Miscellaneous Tools:** Jira | MySQL workbench | Postman | IntelliJ IDEA | SonarQube | Redis Desktop Manager | Docker | Kubernetes | Jenkins | Kibana | Taurus | Hadoop toolsets (sqoop, beeline, hive)

**Cloud:** AWS

## Key Skills

- Software and Application Design
- Technical Architecture Design and Documentation
- Working in Agile Methodology
- Research and Development

## Experience

### Software Engineer

Jan 2023 - Present

### Rakuten

**Rakuten is an internet company specialising in high-performance e-commerce applications, mobile networks, banking, and other financial services.**

### Key Contributions

- Developed and maintained **web applications** using **Java**, **Spring**, and **MySQL**.
- Built internal **APIs** and **batch applications** leveraging **Spring Boot**, **Scala**, **Hive**, **MongoDB**, and **MySQL**.
- Developed **Spring Batch** jobs for large-scale **data processing** and **transformation**.
- Deployed and scheduled **batch jobs** using **Azkaban** for efficient pipeline management.
- Created **automation scripts** and support tools using **Shell** and **Python** to streamline development and operations.
- Collaborated in an **Agile** development environment, using **Jira** for sprint management and **Bitbucket** for version control.
- Enhanced **code quality** by integrating **SonarQube** and performed **performance testing** with **Taurus**.
- Designed and managed **database schemas**, ensuring **data integrity** and **operational efficiency**.
- Authored and reviewed **technical documentation**, including **Proof of Concept (POC)** reports and **release notes**.
- Handled **live issue resolution**, ensuring consistent **application stability** and **uptime**.
- Used tools like **Postman**, **MySQL Workbench**, **Docker**, and **Localstack** (for local **AWS** environment) in **development** and **testing workflows**.

## Software Engineer

Jan 2021 - Dec 2022

### ZeroBeta

Specialised in delivering high-performance computing products and solutions tailored for financial risk management.

#### Key Contributions

- Developed and maintained **modern applications** using **Java**, **Spring Boot**, and **MySQL**.
- Designed and implemented **frontend features** with **React**, **Ag-Grid**, **Apex-charts**, **Material-UI**, and **Redux**.
- Integrated **caching solutions** with **Redis** and implemented **message passing** via **Kafka**.
- Participated in **Agile sprint planning** and **version control** using **Jira** and **Bitbucket**.
- Improved and maintained **code quality** through **SonarQube** integration and continuous improvement practices.
- Conducted **requirements gathering**, **POC development**, **technical feasibility analysis**, and **performance impact assessments**.
- Authored and maintained **technical documentation**, including **database design** and **data manipulation procedures**.
- Provided **live issue resolution** to support application stability and production environment reliability.

## Software Engineer

Feb 2020 - Jan 2021

### INFORMATION SYSTEMS ASSOCIATES (ACCELAERO)

Leading provider of advanced technology solutions for the global travel and aviation industry since 2005.

#### Key Contributions

- Developed **modern applications** using **Java**, **Spring Boot**, **Protobuf**, **ANTLR**, and **PostgreSQL**.
- Contributed to **frontend development** with **React** and **Redux**.
- Implemented **APIs** and **business logic**, ensuring high **JUnit test coverage** and maintaining **code quality** through **SonarQube**.
- Utilized **Jira** for **sprint management** and **Bitbucket** for **version control** in an Agile environment.

## Software Engineer Intern

Jun 2018 - Dec 2018

### GE Transportation Company

Global leader in equipment, systems, digital solutions, and services for freight rail, transit, mining, industrial, and marine sectors.

#### Key Contributions

- Developed and debugged **features** for products built with **Spring** and **Hibernate**.
- Created **automation test scripts** using **Serenity/JS** to ensure functional reliability.
- Explored **machine learning** concepts and implemented a sample **K-means clustering** algorithm.
- Participated in **Agile practices** and actively contributed to **code reviews** to improve product quality.

## Education

Nov 2015 - Jan 2020

### Faculty of Engineering, University of Moratuwa, Colombo, Sri Lanka

BSc. Eng (Hons) in Computer Science and Engineering.