# Aiswarya Kattappilly Ravi

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## Objective

A motivated Java Developer with a Master's degree in Artificial Intelligence and nearly 3 years of experience in software engineering. Proficient in Java 9, SQL, Spring Boot, RESTful APIs, and microservices. Skilled at building robust back-end systems, enhancing core products, and working in agile environments. Adept at API design, CI/CD pipeline automation, and cloud technologies, I aim to contribute my expertise to a leading tech company.

## Technical Skills

**Core Skills:** Java 9, SQL, Spring Boot, RESTful APIs, Microservices, API Design, Hibernate, MVC Architecture
**Programming Languages:** Java, Python, JSON, JavaScript, HTML, Liferay
**Tools:** Docker, Git, GitHub, Jenkins, IntelliJ IDEA, Eclipse, Visual Studio Code
**Testing:** JUnit, JMeter
**Cloud Platforms:** GCP, Azure
**Database Systems:** MongoDB, MySQL, NoSQL, Kafka
**Development Practices:** Agile/Scrum, CI/CD Pipelines, Code Reviews, Version Control
**Other Skills:** Swagger, Postman, Maven, Pandas, NumPy, TensorFlow

## Professional Experience

**Software Engineer**                                                    Jan 2020 – Sep 2022
Seidor Opentrends, India

- Developed Java Spring Boot microservices and RESTful APIs for core product enhancements.

- Designed modular applications and performed unit, system, and performance testing with JMeter.

- Integrated third-party APIs for data retrieval and implemented API security measures.

- Automated CI/CD pipelines and conducted code reviews to improve team efficiency.

- Actively participated in Agile ceremonies, contributing to sprint planning and retrospectives.

- Spearheaded production support and troubleshooting, ensuring minimal downtime.

**Key Projects:**

- **DDC Accessioning:** Streamlined diagnostic testing in America by enhancing Accessioning modules with Java Spring Boot.

- **Seat Reservation App:** Built an app for COVID-19 seat reservations in offices, enabling managers and employees to book seats securely.

- **Visualization POC:** Delivered a Python-based POC with 50+ resource analysis graphs.

- **Chatbot:** Created an AI-driven chatbot for college administrative tasks.

## Education

**MSc in Artificial Intelligence and Machine Learning**                    2023
Liverpool John Moores University, United Kingdom
**Master's Degree in Computer Applications**                    2020
Mahatma Gandhi University, India
**Bachelor's Degree in Computer Applications**                    2018
Mahatma Gandhi University, India

## Certifications

- Python for Data Science

## Additional Projects

- Developed a music recommendation system based on emotional detection algorithms.

- Built advanced ML models for Higgs Boson particle classification.

- Designed a system for audio classification using ML techniques.

## Awards

- Star Employee of the Month at Seidor Opentrends

- Ranked First at Mahatma Gandhi University