Maduranjana Janakantha
Software Engineer

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Dedicated Software Engineer with over 3 years of experience, primarily focused on backend development. As an Oracle Certified Associate in Java, I have a strong foundation in building and maintaining robust enterprise-grade solutions. I am experienced in AWS, Azure cloud services and have hands-on experience with front-end development. My expertise lies in delivering high-quality, scalable solutions that meet industry standards, with a track record of success in the E-commerce and Apparel Manufacturing sectors.

SKILLS

Languages & Markup	Java, JavaScript, HTML, CSS
Frameworks & Tools	Spring (Core, Boot, MVC, Cloud, Data, Security), Node.js, React js, Express, JPA, Hibernate, Kafka,
Architecture & Design	Microservices, Design Patterns, OOP, REST, Event Driven
Databases	MySQL, MongoDB
DevOps & CI/CD	AWS, Azure, Docker, Kubernetes, Jenkins, Git, GitLab, Bitbucket, Maven, Linux
Testing	JUnit, Mockito

EXPERIENCE

Virtusa Corporation, Sri Lanka *Jun 2022 - Present*
Software Engineer

- Developed and implemented new features for retail surveillance keyword provisioning on email generations.
- Served as a full-stack developer, handling UI/UX design, back-end development, and DevOps tasks.
- Advancing our microservice architecture by transitioning to an event-driven model, which improves scalability and responsiveness.
- Implemented RESTful endpoints using Spring Boot and Node.js.
- Deployed code changes to the development environment and managed Kubernetes and Docker environments, ensuring system changes and business functionalities were correctly implemented and verified.
- developed tools to simplify tasks, such as cloud console login and running all backend servers simultaneously using shell, batch scripts.
- Debugged, fixed bugs, implemented new features, and tested microservices for maintenance support.
- Actively involved in development updates and Scrum meetings, collaborated on Jira story creation, and supported sprint planning.

Key Projects:

- ***Dress Smart - Shop Flow Control System Line Operational Statistics Real-Time Dashboard*** It aims to provide real-time dashboard updates on the knitting and finishing processes as they move through each clothing line of operation which consists of robotic operations and human labor. The system optimizes inventory management, reducing lead times, improving quality control, and minimizing errors. It assists managers in monitoring the progress of an order and employee performance of each operation line, improving productivity and efficiency.
- ***Technology:*** *Java, Spring Boot, Spring (Cloud, Security, JPA), Jackson2, JUnit, Angular, Node.js, MongoDB, Kafka, Web Sockets, Jenkins, Docker, AWS, Jira, Gitlab, Maven*

- ***Skill Scout AI - Avoid heavy workloads and save time when analyzing CVs for recruiters.*** Developed an AI-powered system to streamline candidate selection for recruiters, reducing HR workload and time by automating CV screening and shortlisting based on test scores. The tool uses AI to capture personality traits and align them with technology trends, optimizing the recruitment process for IT roles.
- ***Technology:*** *Node.js, Python, Java, Spring Boot, Spring Security, JPA, Langchain, OpenAI API, Jackson2, JUnit, React, MongoDB, Oracle, Kafka, Web Sockets, Jenkins, Docker, Kubernetes, SonarQube, AWS, Jira, Gitlab, Maven*

PROJECT

- ***BookShopie - Online Bookstore E-commerce Platform*** Developed an e-commerce platform for selling books online, featuring user registration, article browsing, cart management, and book delivery tracking. Integrated multiple payment options to enhance the user experience.
  Technology*: Java EE, Hibernate, My SQL, REST, JavaScript, Jasper Report, Bootstrap, CSS, Html*
  • Developed REST endpoints for functionalities such as comment and cart management.
  • Developed and implemented client-side validation and server-side error handling.

- ***FarmShop Management System -*** Developed a management system for a farm shop to track daily, weekly, and monthly sales, monitor profits, handle customer inquiries, and manage orders efficiently.
  Technology*: Java, Java FX, Jasper Report, My SQL*
  • Transitioned from a legacy system that relied on Excel sheets to a fully functional, integrated management system.
  • Gathered requirements, designed, developed, and implemented the management system for the farm shop.

- **NelliCafe Food App - Restaurant Ordering and Delivery App** Created a mobile app to simplify restaurant food ordering and delivery, enabling users to place orders and monitor deliveries in real time.
  Technology*: React JS, React Native, Json, REST, Figma, Bitbucket, Google API*
  • Utilized RESTful endpoints to facilitate communication with the main server.
  • Integrated Google Maps for real-time delivery rider tracking.

- **MaduraGSM** *Management System (Campus Project)* - **Management Software for Cellular Retail Shop** Developed management software for a cellular retail shop to handle sales, manage inventory, track profits, and generate reports.
  Technology: *Java, Java FX, Jasper Report, My SQL, Git hub*

EDUCATION

Java Institute for Advanced Technology, Sri Lanka   *Jan 2017 - Dec 2021*
B.Eng Software Engineering,

CERTIFICATION & ACHIEVEMENTS

Java Microservices /Gen AI Hackathon Participant in Virtusa
Oracle Certified Associate, Java SE 8 Programmer ⬀
AWS Certified Developer - Associate Certification ⬀
Oracle Cloud Infrastructure 2023 AI Certified Foundations Associate ⬀
AWS Cloud Practitioner (CLF-C02) Certification ⬀