SUZAN MWEMEKE

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JAVA DEVELOPER

Enthusiastic Java developer with over 3 years of proficiency in crafting, developing, and sustaining enterprise-level applications in the healthcare sector using Java within a total of 5 years of IT experience. Experienced working with the dynamic nature of technologies, emphasizing the continuous imperative to stay abreast of evolving skills. Possess hands-on experience with design, coding, and testing phases of the Software Development Lifecyle. Skilled in Java, JavaScript, Spring MVC, Spring Boot, Hibernate, and Express.js.

SOLID ● Object Oriented Programming ● Service-Oriented Architecture (SOA)
API Design and Development ● Agile Methodologies and Scrum Practices
Microservices Architecture ● Design Patterns ● CI/CD

Languages: Java, JavaScript
Web: HTML, CSS, NodeJS, React
Web Services: REST APIs
Web/App Servers: Apache Tomcat
Frameworks: Spring MVC, Spring Security, AOP, DI, Spring Cloud, Spring Boot, Spring, Spring Data JPA, Hibernate, Express.js, JUnit
Databases: DB2, MySQL, Microsoft SQL Server, MongoDB, PostgreSQL
Design Patterns: MVC, Prototype, Observer, Session, Singleton, Decorator, Command, Factory, Template, Facade
SDLC: Agile, Kanban, Waterfall, Prototype
Tools: IntelliJ, Eclipse, Notepad++, Sublime, GIT bash, Microsoft Visual Studio Code, Maven, Visual Studio, VS Code, Docker, Apache Kafka
Platforms: Windows, Linux

PROFESSIONAL EXPERIENCE

*CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).*

MAKERERE UNIVERSITY - JOHN HOPKINS UNIVERSITY RESEARCH COLLABORATION, Kampala, Uganda ● 09/2017 – 07/2023
A nonprofit organization focused on health research, services, and training, emphasizing HIV, TB, and diverse health issues for women, children, youth, and families.

IT Applications Developer
Designed and developed Information Technology Applications.

- Designed and developed a robust Medical Records app using advanced Java methods, integrating MySQL for enhanced data storage. Achieved a notable 20% improvement in data retrieval speed and enhanced accuracy in medical records across diverse research sites.
- Led the collaborative design and development of the StudyPlus web application using Java, Spring Boot, Jenkins and Docker integrating tailored notifications and real-time updates for study progress tracking, resulting in a 40% improvement in monitoring studies.
- Engineered and deployed an Insurance Registration System application using the Spring Framework, React.js, and PostgreSQL, transforming the employee enrollment process for medical schemes, resulting in a 50% faster enrollment process.
- Created a Contact Center Feedback Tool with Node.js, Express, ReactJS, and MongoDB. Automated retrieval of callers' previous interactions led to a 30% boost in call center agent efficiency and reduced average call handling time, enhancing overall customer service quality.

Technologies Used: Hibernate, Spring MVC, Spring Data JPA, Spring Cloud, RESTful, JavaScript, HTML5, CSS3, Bootstrap, Docker, MySQL, Jenkins, Apache Kafka.

ACADEMIC PROJECTS

Maharishi International University (2023) – Resort Management System (RMS): This system facilitated online reservations and payments for resort accommodations, incorporating RESTful microservices and Spring technologies (Spring MVC, Spring Boot, Spring Data JPA, Spring Cloud Services). My role in a team of 5 involved domain-driven design for UML class diagrams, architectural planning for a scalable and secure system, and implementing security features like Spring Security with JWT. Utilized Java, MySQL, Spring MVC, Spring Boot, Spring Data JPA, Spring Cloud, Microservices, Kafka, RESTful.

Maharishi International University (2023) – Library Management System: A Swing-based desktop application designed to manage library functionalities such as book cataloging, user account management, and the borrowing process. I developed a user-friendly interface, created sequence diagrams, and implemented CRUD operations for Books and Users. Utilized Java, GitHub.

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 04/2026)
Maharishi International University, Fairfield, Iowa

Key Courses: Algorithms, Web Application Programming, Enterprise Architecture, Software Architecture, Databases.

Bachelor of Science in Computer Engineering
Busitema University, Tororo, Uganda (2014)