

EUDIS MUHANGI

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JAVA FULL-STACK DEVELOPER

Experienced Java Full Stack Developer with 3+ years of hands-on experience in developing and implementing high-quality software applications and systems by performing strategic analysis, defining software requirements, building systems, and implementing pre-deployment tests. An effective collaborator who ensures a full understanding of complex systems by training end users and preparing user manuals. Skilled in using technologies such as Java, OOP, Spring Boot, RESTful, Hibernate, SQL, MongoDB, and Microservices.

Software Development / Implementation • Testing • Microservices • Design Pattern
Data Structures and Algorithms • Continuous Integration • Database Design
Team Leadership • Java Programming

Languages: Java

Web Services: HTML5, CSS, JSP, Servlets, jQuery.

Web: REST, SOAP, JSON.

Cloud: AWS

Web / APP Servers: Apache Tomcat, Eureka

Web Servers: Apache Tomcat, Eureka.

Frameworks: ReactJS, Spring, Spring Boot, Hibernate, Nodejs, Express, Junit, Mockito

Databases: MySQL, Oracle DB, PostgreSQL, MongoDB, Elastic DB, Cassandra, HSQLDB

Design Patterns: Singleton, Prototype, Observer, Template, MVC, SOA, IoC, Microservice Architecture, OOP, AOP, TDD.

SDLC: Waterfall, Iterative, Agile/Scrum.

Tools: NetBeans, Eclipse IDE, IntelliJ, Git, GitHub, Postman, Maven, RabbitMQ, Kafka, JDBC, JPA, Apache Zookeeper, Jenkins, Docker, Kubernetes, VS Code, Maven.

Platforms: Windows

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).

SOFTCODES LIMITED, Mbarara, Uganda • Jan 2021 – July 2022

Technology Company specializing in software development of mobile, web, and desktop applications.

Java Developer

Implemented software programming and development.

- Performed business needs analysis and defined software requirements with established process flows while collaborating with the user department and engaged in team leadership.
- Built, analyzed, tested, and deployed online market application.
- Migrated existing user data from MySQL into Mongo.
- Provided training of end users on system use and prepared user manual.
- Developed and implemented relational model in MS SQL database.
- Develop a log management system for the various applications under development using Zipkin.
- Streamlined integration of software components with 3-rd party programs to maximize functionality.

Technologies Used: Java, OOP, React.js, IntelliJ, Eclipse, VS Code, MS SQL Server, PostgreSQL, Elastic DB, MongoDB, Spring MVC, kibana, JavaScript, jQuery, Bootstrap, Kafka, Spring Boot,

StarUML Microservices, Postgres, Junit, Mockito, XML, ReactJS, MVC, StarUML, Git, GitHub, Docker, Windows, Tomcat, Maven, Hibernate, Express, Node.js, HTML5, CSS, OAuth2.0, Zipkin, Spring cloud Gateway, Cascading Style Sheets (CSS), SDLC, Eureka, Hystrix, JDBC, Oracle DB, JPA.

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THINK INNOVATIONS INC, Kampala, Uganda • Jun 2019 – Oct 2020

Technology Company that incubates software start-up programs and projects.

Software programmer

- Designed UML diagrams for client projects.
- Engaged in team leadership.
- Designed and developed a rental tool application used to find rental houses in desired localities.

Technologies Used: Java, OOP, Spring Boot, VS Code, StarUML, Git, GitHub, Windows, Spring, IntelliJ, PostgreSQL, MongoDB, Git, HTML5, CSS, SDLC, MySQL, Oracle DB, Junit, ReactJS, Microservices, Junit, JavaScript.

ACADEMIC PROJECTS

Maharishi International University, Fairfield IA (2022, 2023):

- **Online Shopping Cart (Happy Cart, 2022):** Created a scalable online shopping system enabling purchases, product catalog browsing, order history management, and online checkout with a persistent cart. Implemented Web Services to retrieve data from banking systems. Utilized Jess for rules engine, business logic, and validations. **Technologies Used:** Scrum and SDLC Methodologies, MVC Patterns, Spring, Hibernate, Spring Security, and Postgres Database.
- **Library Management System, MIU (2022):** Developed a system to manage book-borrowing processes with functionalities for users and administrators. **Technologies Used:** Java, React.js, MySQL, Java Swing, StarUML, Eclipse IDE, Git, and Windows.
- **Alumni Management Portal (2023):** Developed an online-based application to track college graduates for university and allow alumni to update their job activities. **Technologies Used:** Java, React.js, MongoDB, Spring / Spring Boot, Restful web services, StarUML, IntelliJ, Git, Kafka, Spring AOP, Spring Security, OAuth2.0, Hibernate, and Windows, Eureka Server
- **Badge and Membership System (2023):** An Enterprise system that allows members with different roles to use their membership plan by using their badge to scan. Worked on complex use cases that put constraints on transactions. **Technologies Used:** SpringBoot, StarUML, IntelliJ, Git, Config Server, Spring AOP, Oracle DB, Microservices Restful web services, Spring Security, Hibernate, Zipkin, Kafka, AzureDevops, Spring API Gateway Server, HSQL, AWS (RDS, EBS, EC2, ECR, ELB, ASG, EKS, ECS).

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion April 2025)

Maharishi International University, Fairfield, Iowa

Key Courses: Fundamental Programming Practices, Modern Programming Practices, Algorithms, Web Application Programming, Enterprise Architecture, Web Application Architecture

Bachelor of Science in Computer Engineering (2016-2021)

Mbarara University of Science and Technology, Mbarara, Uganda

Key Courses: Software Engineering, Analysis and Design of Algorithms, Database Programming, Programming Methodology, Object Oriented Programming