LUWAM WELDEMICHAEL

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FULL STACK DEVELOPER

Skilled software developer with 1 year of hands-on experience in application design and implementation, and a history of delivering several successful academic projects using modern technologies, programming and problem-solving skills, and all phases of Software Development Life Cycle methodologies. Able to work effectively in a fast-paced team environment to develop and deploy high-quality applications.

Major SDLC Phases • Web Services • SOA • Object-Oriented Java Programming • Database
Front End & Back End • Data Structures • Design Patterns • Microservices • UML Diagrams
System Security • Dependency Injection • Messaging • Unit & Integration Testing

Languages: Java/J2EE
Web: JavaScript, TypeScript, React
Web Services: REST, SOAP, JSON
Web/App Servers: Apache/Tomcat
Frameworks: Spring (MVC, Boot, Security, Data, AOP, Dependency Injection, Cloud), Hibernate, Angular
Databases: MySQL, MongoDB, Oracle
Design Patterns: Singleton, Observer, Factory, Façade, Strategy, Command, State, Chain of Responsibility
SDLC: Agile Scrum
Tools: IntelliJ, VS Code, JUnit, Mockito, Git, GitHub, Jenkins, JMS, Kafka, ActiveMQ, UML, Zipkin, Hystrix, Resilience4j, Swagger, Logstash, Kibana, Grafana, Elasticsearch, Docker, Kubernetes
Platforms: Windows, Mac OS, VMware, Linux
Big Data: Kafka, Kafka Streams, Apache Spark
Cloud: AWS

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).

MVP APPLICATION & GAME DESIGN, Abu Dhabi, United Arab Emirates • 2022

Web Application Developer
Designed and implemented web applications according to requirements and customer needs.
- Part of Engineering team, handling all project phases using Agile development methodology.
- Contributed to fast-paced team environment while analyzing and developing web applications.
- Developed TDD-based enterprise-level applications using RESTful web services.
- Implemented MVC architecture and used service-oriented architecture for development.
- Analyzed and optimized existing features and applications, performing coding, testing, and documentation.

Technologies Used: *MySQL, Java, Spring, React, JUnit, Mockito, VS Code, Mac OS*

ACADEMIC PROJECTS

Maharishi International University, Fairfield, Iowa (2023):

- **House Rental Management System:** Designed and developed a secure, web-based system where house owners and customers can exchange information effectively and inexpensively, providing a user-friendly interface to satisfy consumer needs. Used Spring, Thymeleaf, Swagger, MySQL, JUnit, Mockito, GitHub, and JWT.
- **Course Registration System:** Worked with a group of 5 to design and implement a secured, microservices-based backend application capable of displaying available course offerings, handling student registration requests, and registering students depending on provided factors. Used Microservices, Feign Client, Rest Template, Swagger, Actuator, Eureka, API Gateway, Circuit Breaker, MongoDB, IntelliJ, Postman, JWT, JUnit, and Mockito.
- **Property Management Portal:** In a group of 5, designed and built a secure, full stack real estate management portal capable of reserving, booking, rating, favoriting, and searching for particular real estate properties. Used Spring Boot, SMTP, AWS S3, Keycloak, PostgreSQL, RabbitMQ, and React.

PERSONAL PROJECTS

- **Crown Clothing:** Independently implemented a full stack e-commerce project capable of handling customer registration, cart management, payment, and ordering. Used VS Code, Firebase, and React.

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion April 2025)
Maharishi International University – Fairfield, Iowa

Bachelor of Science in Information Technology (2022)
Zayed University – Abu Dhabi, United Arab Emirates