

MULUGETA ASSEFA

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JAVA DEVELOPER

Experienced Java Developer with over 5 years, proficient in all stages of the software development lifecycle. Excelling in a variety of tasks such as analysis, design, coding, implementation, testing, and training, I possess deep experience in programming and web application development using Java, J2EE, Hibernate, and Spring. My expertise in client-server technologies is complemented by my proficiency with CSS, HTML, and XML. I have a strong track record of developing web services using Spring Boot. With a keen eye for detail and a passion for delivering high-quality solutions, I am dedicated to driving innovation and exceeding expectations.

- Strong experience with Spring boot, Spring MVC and Hibernate and experienced with Agile development methodology.
- Experienced in Core java technology and Object-Oriented Programming, and SDLC.
- Demonstrated proficiency in designing and implementing Microservices architecture, utilizing both RESTful Web Services and SOAP/WSDL-based Web Services.
- Strong experience with Database such as MS SQL, MySQL, MongoDB, and PostgreSQL.
- Deployed applications on Kubernetes clusters, ensuring scalability, availability, and fault tolerance.
- Leveraged Jenkins for continuous integration and delivery (CI/CD), automating build, test, and deployment processes, and integrating automated tests into the pipeline to instantly assess code quality.
- Talent for collaboration and streamlined communication with diverse technical and cross-functional teams.

AREAS OF EXPERTISE

Software Development Lifecycle • IT Project Management • Team Leadership • Microservices Database Design & Management • Design Patterns • Data Structures • User Interface Design • Analysis Software Implementation • Code Review & Standards Compliance • Software Testing

Languages: Java, SQL

Web: HTML, CSS, JavaScript, XML, jQuery, Ajax, Servlet, JSP, PHP, Typescript, React

Web Services: REST, SOAP

Web and Application Servers: Apache Tomcat, JBoss, WebSphere

Frameworks: Spring, Spring Boot, Hibernate, JPA, Mockito

Databases: MySQL, MS SQL, Oracle, PostgreSQL, MongoDB, Cassandra

Design Patterns: Singleton, Factory, Adapter, Builder, Observer, Template, Dependency Injection, MVC

SDLC: Agile, Waterfall, TDD, CI/CD

Tools: Eclipse, IntelliJ IDEA, Maven, Postman, Docker, Jenkins, Kubernetes, Git, GitHub, MS Visio, Junit, Kafka

Platforms: Unix / Linux, Windows, Mac, GL

Networks: CGI Script, Unix, HTML, LAN / WAN

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).

YOM CD CONSULTING, Addis Ababa, Ethiopia

Engineering design company.

Senior Software Developer

Jan/2019 – Feb/2022:

Played key role in designing and developing enterprise applications.

- Involved in full Software Development Life Cycle (SDLC) to analyze the business requirements, designing front end component, developing server-side code, testing and implementation.
- Designing application with Spring boot and JPA for RESTful services.
- Reviewed test scripts and wrote Junit test cases.
- Developed modules including authorization and security modules using Spring framework.
- Reviewed code and ensured compliance with industry and internal standards.
- Generated complex HQL or JPQL queries, Criteria API querying mechanism to increase application scalability.
- Utilizing Apache Kafka as a distributed streaming platform for real-time data processing and event-driven architectures.
- Designed and implemented Kafka topics, partitions, and consumer/producer configurations.
- Integrated Kafka with microservices and other systems to enable reliable data streaming.
- Design the application of the project from the API lead connectivity perspective.
- Translating mapping documents and requirements specifications documents into technical design.
- Design the deployment strategy on premises and develop and apply policies.
- Configured Kafka Connect to stream data between different data sources and sinks.
- Develop and execute unit test cases using Junit and Mockito
- Deploy applications to different environments using ansible.
- Assisted in developing enterprise resource planning system.
- Managed Jenkins plugins and performed upgrades to ensure the latest features and security patches.
- Implemented container orchestration using Kubernetes.
- Worked on setting up and managing continuous integration and continuous deployment pipelines.
- designing, developing, and deploying applications using Microservices architecture, harnessing my expertise in both RESTful and SOAP/WSDL-based Web Services.
- Integrated frontend components with backend APIs and defined API endpoints and handled data retrieval and manipulation on the server side, allowing the React frontend to consume and display the data using React.
- Successfully developed and deployed Docker containers, enhancing the packaging and distribution of applications for more streamlined and efficient processes.

Technologies Used: Java, Spring, Spring Boot, Hibernate, JPA, IntelliJ, Spring Security, JWT, Microservice, Junit, E2E integration testing, Git, Maven, Docker, Jenkins, Kafka, ELK, Kubernetes, MongoDB, PostgreSQL, MySQL, Azure

YOM CD CONSULTING, Addis Ababa, Ethiopia

Engineering design company.

Software Developer

Dec/2015- Jan/2019

Played key role at all phases of software development lifecycle in fast-paced Agile-Scrum environment.

- Developed server-side code, performed unit tests, and developed Junit test cases.
- Developed back-end systems using Java and web services; developed RESTful web services.
- Gathered Requirement and analyzed procedures, and problems to improve existing systems.
- Develop end to end application components involving business layer, persistence layer, and database and web services layer.
- Applied the core principle of Object-Oriented Programming. Polymorphism, Inheritance, Abstraction and Encapsulation to develop efficient code.
- Written complex SQL queries, procedures, retrieve, delete, update, and persist data.
- Developed server-side layers using Java, XML, JDBC, and DAO pattern.
- Developed enterprise payment systems for clients in utility and finance sectors.
- Collaborated with development and operations teams to design and maintain infrastructure templates and modules for different environments.
- Worked closely with development teams to automate the deployment of application dependencies and configurations.
- Involved and understood the Development of back-end system using spring, Hibernate and Web Services.

Technologies Used: *Java, Eclipse, Spring, Spring Boot, Hibernate, JPA, JDBC, Microservice, Junit, Git, Maven, Docker, Kafka, Jenkins, Kubernetes, PostgreSQL, MySQL*

YOM CD CONSULTING, Addis Ababa, Ethiopia

Engineering design company.

Software Developer

Nov/2014- Dec/2015

Played key role on technical team in developing and maintaining enterprise software.

- Designed and implemented software modules.
- Developed unit test cases using Junit.
- Assisted in interface design and requirements gathering.
- Developed business domain layer using JDBC and DAO layer.
- Used configuration management and version control.
- Developed property management system for real estate clients.

Technologies Used: *C#, Visual Studio, MySQL, JavaScript, CSS, HTML, VS code.*

ACADEMIC PROJECTS

Maharishi International University, 2022

Food Delivery System: Developed web-based food delivery system using Microservice architecture pattern with tools such as Docker, Kubernetes, and Kafka. Deployed system to AWS.

- **Technologies Used:** *Spring Boot, Spring Security, JWT, Docker, Kubernetes, Kafka, AWS*

School Registration System: Developed scalable, secure, and stable school registration system using Spring Boot, React, and Microservice architectural pattern.

- **Technologies Used:** *Spring Boot, React, Kafka, Docker, Kubernetes, Zipkin, Istio, CI/CD, Spring Cloud, Spring Security, JWT*

E-store: Built Restful API allowing users to view items.

- **Technologies Used:** *Eureka, Spring Cloud Config, Docker, Kubernetes, Spring Security, JWT*

Batch Processing Project: Implemented RESTful service allowing admin to trigger batch job that read CSV file and writes contents into MySQL database after performing conversions using Spring Batch.

- **Technologies Used:** *MySQL, Spring Batch*

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion December 2024)

Maharishi International University, Fairfield, Iowa

Key Courses: *Fundamental Programming Practices, Modern Programming Practices, Web Application Programming, Software Architecture, Enterprise Architecture, Software Engineering*

Bachelor of Science in Computer Science

Microlink Information Technology College, Mekelle, Ethiopia