

# Selam Tekleab

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## Java Developer

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Dedicated application developer with more than 2 years of professional experience implementing projects through the full SDLC using modern methodologies and Java-based technologies including Spring, Hibernate, and JPA. Able to perform software development lifecycles, modules, tools, and custom frameworks, including database, and maintenance operations.

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Restful services • micro-services • Object-Oriented programming  
Dependency injection • Singleton • MVC

**Languages:** Java

**Web:** HTML5, CSS3, Javascript, JQuery, Node, AJAX, XML, junit, Bootstrap

**Web Services:** REST, SOAP, Microservices, JSON

**Web/App Servers:** Apache/Tomcat

**Frameworks:** Spring (Boot, MVC, Security, Data, AOP, Dependency Injection, Cloud), Hibernate, React

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

**Design Patterns:** MVC Prototype, Singleton, Observer, Session, Session Factory

**SDLC:** Agile

**Tools:** Maven, Eclipse, IntelliJ, Postman, Workbench, Kafka, StarUML, Git, Github, Docker, ActiveMQ.

**Platforms:** MacOS, Windows, Linux

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## 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).

### Liya Enterprise, Asmara, Eritrea • 07/2020 – 11/2022

Leading tech company in Asmara.

#### Software Developer

Designed and developed applications

- Leveraged Dependency Injection using Java and Spring Boot for flexible and efficient development.
- Supported internationalization and adopted the Model-View-Controller (MVC) architecture, using Java and JavaScript.
- Achieved a clear separation of concerns to improve maintainability and user experience.
- Created, rigorously tested, and seamlessly integrated frontend and backend components.
- Leveraged Node.js for backend development and utilized MongoDB for smooth data operation.
- Oversaw the complete software development lifecycle, from meticulous analysis to successful production deployment. Utilized Java and Spring Boot for a robust and efficient development process.
- Skillfully integrated newly developed applications with existing systems. Utilized Java and Spring Boot to ensure compatibility, resulting in a seamless and efficient workflow.
- Seamlessly integrated microservices architecture to enhance scalability and modular development.
- Utilized Java and Spring Boot to create, manage, and coordinate microservices, allowing efficient expansion and maintenance across the application.
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**Technologies Used:** Java, JavaScript, Nodejs, MySQL, SpringBoot, Microservices, MongoDB

## ACADEMIC PROJECTS

### **Maharishi International University (2023) Blog Application:**

A blog application where a user can post, comment and like blogs. This application was developed using Spring (Boot, Data, Security), and Hibernate. Utilized Java, Spring Boot, Hibernate, MySQL, Spring Security

### **Maharishi International University (2023) Library System:**

A Library System where a user can search for books, checkout a book, and the admin is able to register members and track checkout records. Java swing was used to design the UI and MySQL as the database. Utilized Java, Java Swing , MySQL

### **Maharishi International University (2023) Online Dictionary:**

Developed an online dictionary app where a user can search for words and get definition. Utilized AJAX, jQuery, MySQL

### **Maharishi International University (2023) Student Avatar System:**

Designed and developed a microservices-based web application for students to redeem scores for avatar elements and rewards. Features include user management, school administration, teacher-student interactions, and email notifications. I designed and developed a microservices school administration. Additionally, I implemented Kafka for efficient message handling. Technologies include Hibernate, Bootstrap, REST, IntelliJ, VS Code, Advanced REST Client, Zipkin, Eureka, Apache Kafka, ELK, JUnit, GitHub, StarUML, and Docker. Utilized Spring (Boot, Data, Security), Eureka, Apache Kafka, Hibernate

## EDUCATION

### **Masters in Science in Computer Science in Computer Science**

*(In progress via distance education; expected completion 10/2025)*

Maharishi International University, Fairfield, Iowa

Key Courses: *Enterprise Architecture, Software Architecture, Web Application Programming*

### **Bachelors in Science in Computer Science**

Eritrea Institute of Technology, Asmara, Eritrea (2020)