# Robeil Aregawi

Full-stack Java Developer

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Talented Java Software Engineer with 4+ years of Hands-on Java and React experience, including latest experience in designing and improving microservices applications. Proven experience in optimizing code readability and improving team performance by implementing best practices and ensuring industry standards. Experienced in all stages of the software development lifecycle, with a valuable role in everything from requirements gathering to analysis, design, development, testing, and deployment. Expertise in the development of back-end components and frontend react component, as well as databases, algorithms, interfaces, APIs, and tools. Technological knowledge includes Java spring, spring boot and MS SQL, MySQL, MongoDB, React, Responsive UI as well as a variety of design patterns. Completing my master's degree education in Computer Science and awaiting my graduation ceremony this December 2023. Holder of AWS Cloud Computing Certification. Skilled in using technologies such as Java, React, GitHub, AWS, Spring, Hibernate, Microservices using Agile Scrum through complete software development life cycle.

- Software Development Life Cycle, Requirement Analysis, Testing
- Web Services, API Design, Version Control
- Backend Development, Frontend Development

## WORK EXPERIENCE

**LwamTech Solutions LLC**                          *Alexandria, VA | 09.2017 - 11.2021*
**Projects: Eri-root**
**Position: Java Developer**
The Eri-root website began as a social platform designed to bring together members of the Eritrean community. Over time, the site evolved to include a dating platform, which allowed members to connect and build relationships based on shared values and interests. In addition to the dating app, the site also launched an educational platform that offers online courses and resources to help members develop new skills and pursue their educational goals.

**Responsibilities:**

- Collaborated with cross-functional IT teams and implemented proven technologies to develop numerous software products while insuring scalability, reusability, and reliability in Agile environment.
- Participated in a software development team, testing and maintenance of a software project focusing on back-end components.
- Involved in requirement gathering, analysis, design & development of the project.
- Designed and develop application features that were outlined in the application requirements.
- Proficient in developing service layer using Java.
- Built and maintained software with Spring framework technologies and microservices architecture for application development.
- Ensured it is scalable and performs well under different loads and usage scenarios.
- Maintained software and documented programming tasks and procedures.
- Designed and developed various abstract classes, interfaces, classes to construct the business logic.
- Used Maven for Project building and Git for version control.
- Implemented and used microservices architecture for application development.
- Wrote clean, efficient, and maintainable code that follows industry best practice and coding standard.

***Technologies Used:*** *Java, Spring, Spring Boot, REST, JavaScript, React, Node.js, SQL, JUnit, Mockito, IntelliJ, Maven, Kafka, Microservices technologies (Eureka, Feign, ConfigServer, Zipkin, Ribbon…*

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## CORE SKILLS

**Language: Java, JavaScript**
**Web:** JavaScript, Node.js, HTML5, CSS3,
**Web Services:** REST, Microservices
**Web and Application Servers:** Apache Tomcat, Node.js
**Frameworks:** Spring Boot, Spring Cloud, Hibernate, React, Express, Ajax, JUnit
**Databases:** MySQL, MongoDB, MS SQL
**Design Patterns:** Singleton, Façade, Factory, Command, Microservices Design Patterns (CQRS, SAGA).
**CI/CD**: GitHub, Amplify (AWS)
**SDLC:** Agile / Scrum, Iterative, Domain-Driven Design (DDD), Test-Driven Design
**Tools**: IntelliJ IDEA, Eclipse, VS Code, STS, Maven, StarUML, Bootstrap, Postman, Docker, Jenkin, StarUML, GIT, Kafka, ActiveMQ
**Platforms:** Windows, MacOS

## ACADAMIC PROJECTS

- **Project: Course Registration System**
  **Position: Backend Developer**
  Course Registration System is designed to simplify and automate the process of registering for academic courses. The system typically allows students to search for available courses, view course descriptions and prerequisites, select the courses they wish to take, and register for them online. The system may also allow students to view their schedules, drop or add courses, and manage their academic records.
  **Responsibilities:**
  - Implemented and integrated Kafka to manage the messaging and communication between different microservices within the system.
  - Created and deployed microservices that handle different functions of the system, such as student course registration, processing requests, and notifications.
  - Ensured that the system is reusable by designed components that can be easily integrated into other systems or modified to meet changing requirements.
  *Technologies Used: Java, Spring Boot, Hibernate, MySQL, Microservices Architecture, Kafka, Zipkin, IntelliJ.*

- **Project: Banking Application**
  **Position: Backend Developer**
  This Application allows users to perform various tasks, such as checking their account balances, transfer fuds, and deposit. A backend enterprise application, with scalability and reliability to manage banking system. System was created using Microservice architecture.
  **Responsibilities:**
  - Created secure and robust APIs that can interact with the other services within the system.
  - Developed scalable and fault-tolerant applications that can handle high volumes of transactions without compromising performance.
  - Designed and implemented reusable components and services that can be easily integrated into the application.
  *Technologies Used: Java, Spring Boot, Hibernate, MongoDB, Microservice Architecture, JMS, Kafka, Zipkin, IntelliJ.*

- **Project: E-Library**
  **Position: Full-stack Developer**
  E-Library application is a digital platform that provides users with access to a electronic books. This application allows users to browse and search for information or redirect them where the digital books can be found at any time.

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**Responsibilities:**
- Designed and developed the front-end of the E-Library using HTML, CSS, and JavaScript.
- Developed the back end of the E-Library using Java and its frameworks like Spring and Hibernate.

*Technologies Used: Java, Spring Boot, Thymeleaf, Hibernate, MySQL, IntelliJ, Git.*

- **Project: Online Dictionary**
  **Position: Full-stack Developer**
  An online dictionary that allows to look up the meanings, definitions of words and phrases in English. It typically works by allowing users to type in a word or phrase, and then displays information about the word, such as its definition, pronunciation, part of speech, synonyms, antonyms, and usage examples.
  **Responsibilities:**
  - Created and maintained the database that store data and providing efficient and fast retrieval capabilities.
  - Designed and implemented the user interface using HTML, CSS, jQuery, and JavaScript.

  *Technologies Used: HTML5, CSS3, jQuery, AJAX, Express, Node.js, JSON*

- **Project: Personal Portfolio**
  **Position: Full-stack Developer**
  Personal portfolio is a digital platform that allows me to showcase my skills, experiences, and achievements to potential employers, clients, or collaborators. The application typically includes a collection of my work samples, education background, professional certifications, and personal projects.
  **Responsibilities:**
  - Designed and developed personal portfolio using JavaScript and React.
  - Created a visually appealing and user-friendly interface, integrating various components, and ensuring that the portfolio is responsive across different devices.
  - Used AWS services to host and make it accessible to the public by setting up and configuring s3 for storing files, CloudFront for content delivery and Route 53 for DNS management.
  - Secured the website by including SSL certification and bought my own domain.

  *Technologies Used: React, JavaScript, Node.js, fetch, Lambda Function, S3, SNS, DynamoDB, Route53, CloudFront, Amplify*

## EDUCATION

**Maharishi International University** | master's degree          *Fairfield, Iowa | 08.2021 - 10.2023*
**Computer Science** Cumulative GPA 3.7

**Eritrean Institute Technology** | bachelor's degree
**Computer Science** Cumulative GPA 3.6

*Mai-Nefhi, Eritrea | 09.2012 - 06.2016*

## CERTIFICATES

**Full Stack Web Development**          **AWS Cloud Practitioner**          **Scrum Master Certification**

Washington University          Certified Cloud Computing          Agile / Scrum master