

Robeil Aregawi

Full-Stack Java Developer

📍 Seattle, Washington | ☎ 206-602-5164 ✉ robeildev@gmail.com - US Citizen

Highly skilled Java Software engineer with 6+ years of experience designing and improving microservices applications, optimizing code readability, and improving team performance by implementing best practices and ensuring industry standards. Proficient in all stages, status of the software development lifecycle, from requirements gathering to analysis, design, development, testing, execution, integration, and deployment. Expertise in developing backend components, backend services, front end react components, end to end. Holding AWS Cloud Computing Certification. Skilled in using technologies such as Java, JavaScript, react.js, GitHub, AWS, Spring, Hibernate, Kafka, Micro services and continuous integration, continuous deployment (CI/CD) using Agile Scrum throughout the complete software development life cycle.

CORE SKILLS

Web Technologies: HTML, HTML5, CSS3, Tailwind CSS, JSP, XML, JavaScript

Web Services: REST, SOAP, Microservices, Backend

Languages: Java, J2EE, JavaScript

Web & Application Servers: Apache Tomcat, Node.js

Frameworks: Spring Boot, Spring MVC, Spring Data, AOP, IOC-Dependency Injection, Spring Cloud Security, Spring Framework, React.js, Hibernate (ORM), JPA, Express, Ajax

Databases: Relational Database, MySQL, NoSQL, MongoDB, PostgreSQL, MS SQL

Design Patterns: Object-Oriented Programming (OOP), Data Structure, Singleton, Façade, Factory, Command, Microservices Design Patterns (CQRS, SAGA), Responsive Design, Functional Programming

Open-Source Tools: Apache, Jenkins, Git, GitHub, Bitbucket, Bash, Maven, Tomcat, NPM, Visual Studio Code CI/CD GitHub, Amplify (AWS), Heroku

SDLC Agile/Scrum, Iterative, Domain-Driven Design (DDD), Test-Driven Development (TDD)

Development Tools: IntelliJ IDEA, Eclipse, Visual Studio Code, STS, Maven, Star UML, Bootstrap, Postman, Talend API Tester, Docker, Jenkins, GIT, Apache Kafka, ActiveMQ, RabbitMQ, JMS

Cloud Platforms: AWS (Amazon Web Services), EC2, Lambda, S3, IAM, RDS, CloudFront, DynamoDB, Route53, SNS, SQS, CloudWatch, AWS Amplify, CloudFormation, API Gateway

Platforms: Windows, macOS

Front-End Technologies: HTML5, CSS3, JavaScript, TypeScript, Bootstrap, ReactJS, CSS Grid,

Flexbox Back-End Technologies: Java, Spring, Spring Boot, Hibernate, RESTful APIs, JPA, Servlets,

Microservices Databases: MySQL, PostgreSQL, Oracle, MongoDB, SQL, NoSQL

Development Tools: GitHub, GitLab, Bitbucket, Jenkins, Maven, Gradle, Docker, Kubernetes

Cloud Platforms: AWS

Project Management & Collaboration: Trello, Slack, JIRA, Confluence, Asana

Testing & Automation: JUnit, Selenium, Mockito, Postman, SoapUI

WORK EXPERIENCE

Blankfactor, Seattle, WA

Jun 2023 – Aug 2024

Role: Full stack Engineer (Java/React)

- Demonstrated expertise in a wide array of technologies including React, TypeScript, JavaScript, Tailwind CSS, CSS, HTML, Contentful, and Next.js.
- Utilized Contentful CLI tools and migration scripts to streamline content migrations and updates, ensuring smooth transitions and data integrity.
- Efficiently managed data import/export and content versioning using Contentful CMS to maintain accurate and up-to-date information across platforms.
- Designed and implemented modular and reusable content types within Contentful CMS to enhance content management efficiency.
- Engineered 15+ reusable React components for Moderna's website, optimizing performance and reducing load times by 30% through efficient code practices and adherence to the Moderna design system.
- Executed complex content migrations involving over 50 Contentful entries using CLI tools and migration scripts, achieving a 100% success rate and minimizing downtime during updates.
- Contributed to the development of Moderna's commercial website by creating new components in alignment with the Moderna design system.
- Integrated new components into the Moderna website to ensure a cohesive and seamless user experience.
- Contributed to 20+ Agile sprints, enhancing sprint velocity by 30% through improved backlog grooming, precise story estimates, and effective resolution of technical blockers.
- Identified and resolved software bugs to maintain the high quality and functionality of the Moderna website.
- Actively participated in sprint planning, story grooming, and daily standup meetings as part of an Agile development team, supporting the timely achievement of project goals.

Technologies Used: React, TypeScript, JavaScript, Tailwind CSS, CSS, HTML, Contentful, Next.js, Jira, GIT, Bitbucket, Figma

Deloitte, Seattle, WA

Dec 2021 – Dec 2023

Role: Full Stack Java Engineer

- Engineered the migration of legacy systems to AWS cloud-based infrastructures, utilizing services such as EC2, RDS, and S3. This migration led to a 40% reduction in infrastructure costs and significantly improved system scalability and reliability.
- Designed and optimized relational database schemas using MySQL. Implemented indexing strategies, query optimization techniques, and partitioning, resulting in a 20% improvement in query performance and faster data retrieval for critical business reports.
- Deployed and configured CI/CD pipelines with Jenkins, Docker, and Kubernetes. Automated build, test, and deployment processes, reducing manual deployment errors by 50% and enhancing deployment frequency and reliability.
- Developed and maintained Java-based web applications, employing frameworks like Spring Boot for back-end services and React for front-end interfaces. Ensured seamless integration of both layers to enhance user experience and application performance.
- Implemented RESTful APIs using Java Spring Boot, focusing on optimizing endpoint performance and ensuring robust security measures. Facilitated efficient data exchange between front-end and back-end systems.

- Collaborated with cross-functional teams, including developers, QA engineers, and business analysts, to gather technical requirements and ensure project alignment. Facilitated knowledge sharing and integration of diverse technical solutions.
- Engineered dynamic and responsive user interfaces using ReactJS. Applied advanced JavaScript and TypeScript techniques to enhance visual appeal, usability, and overall user experience of web applications.
- Developed and executed comprehensive unit and integration tests with JUnit and Mockito, achieving a test coverage of 85%. Identified and resolved defects early in the development cycle, significantly reducing post-release defects and improving software quality.
- Conducted performance tuning and scalability enhancements for both cloud-based and on-premises systems. Utilized monitoring tools and performance metrics to diagnose and address system bottlenecks and inefficiencies.

Technologies Used: *AWS (EC2, RDS, S3), MySQL, Jenkins, Docker, Java, Spring Boot, RESTful APIs, ReactJS, JavaScript, TypeScript, JUnit, Mockito, Performance Tuning, Cloud-Based Systems.*

Epsilon, Seattle, WA

Jan 2018 – Aug 2020

Role: Backend Java Developer

- Developed and maintained high-performance backend services using Java, Spring Boot, and Hibernate, handling over 1 million transactions per day, ensuring high throughput and reliability.
- Designed and implemented RESTful APIs to support frontend functionality, achieving a 30% reduction in API response times and enhancing overall system performance.
- Engineered scalable backend services with Java and Spring Boot, leveraging microservices architecture to improve system reliability and manage increasing user demands.
- Architected and integrated RESTful APIs to streamline communication between frontend and backend systems, facilitating efficient data exchange and application interactions.
- Enhanced database performance by optimizing MySQL queries and schema design, resulting in reduced latency and increased overall system efficiency.
- Led code reviews and provided in-depth technical feedback, enforcing best practices and ensuring adherence to high-quality code standards.
- Developed and executed automated testing frameworks using JUnit and Mockito, implementing comprehensive test coverage to ensure robust and reliable software delivery.
- Coordinated with cross-functional teams to troubleshoot and resolve complex technical issues, contributing to a cohesive development process and timely project delivery.
- Collaborated with frontend developers and cross-functional teams to integrate APIs and ensure seamless application functionality, driving a 25% increase in project efficiency.
- Optimized SQL queries and database interactions using MySQL, achieving a 40% reduction in query execution time and enhancing overall system performance.

Technologies Used: *Java, Spring Boot, Hibernate, RESTful APIs, MySQL, Microservices Architecture, JUnit, Mockito*

ACADAMIC PROJECTS

Course Registration System, Backend Developer

Designed to simplify and automate the process of registering for academic courses. This allows students to search for available courses, view course descriptions and prerequisites, select the courses they wish to take, and register for them online. Also allow students to view their schedules, drop or add courses, and manage their academic records.

- Implemented and integrated Kafka to manage the messaging between different microservices.

- Created microservices 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. Banking

Application, Back-end Developer

Designed and developed a reliable and scalable backend banking application using Microservices architecture. Developed robust APIs that can interact with other services. Utilized Java, spring boot, Hibernate, mongo db, JMS, Kafka, Zipkin. E-Library,

Full-stack Developer, E-Library application

- Developed the front end and back end of the E-Library application using html, CSS, Node.js, JavaScript, Java, Spring, and Hibernate. The app is a digital platform that provides users access to electronic books. Utilized Thymeleaf, MySQL, IntelliJ, and Git.

Online Dictionary, Full-stack Developer

- Designed and implemented the user interface using html, CSS, jQuery, node, and JavaScript. Created and maintained an efficient database for storing data and providing fast retrieval capabilities. Utilized HTML, CSS, JavaScript, AJAX, Express, Node.js, PostgreSQL, Bootstrap, and JSON.

Personal Portfolio, Full-stack Developer

- Developed a personal portfolio in amazon web services using html5, MVC, React, Node, JavaScript, AWS services, and Lambda Function. Hosted on AWS and secured with SSL certification. Utilized S3, SNS, Dynamo DB, Route53, CloudFront, and continuous integration and deployment.

EDUCATION

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

Eritrean Institute Technology | bachelor's degree. *Mai-Nefhi, Eritrea* | *09.2012 - 06.2016*
Computer

CERTIFICATES

<u>Full Stack Web Development</u>	<u>AWS Cloud Practitioner</u>	<u>Scrum Master Certification</u>
Washington University	Certified Cloud Computing	Agile / Scrum master