

MSGUN BERHE

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SUMMARY

FULL STACK JAVA DEVELOPER

A highly problem-solving and collaborative teamwork Software Engineer with over five years of professional experience in the modern software development life cycle (SDLC). Skilled in all aspects of software development, including design, testing, and deployment, and adept at creating large-scale software applications from inception to production. Possess expertise in a wide array of technologies, such as Java, JavaScript, Spring Boot, Node.js, React.js, relational database, non-relational database, and other databases, and Microservices, as well as Rest web services. Additionally, well-versed in Docker, Kubernetes, Git, VS code, IOC, and AOP.

EDUCATION

Master of Computer Science, Maharishi International University, Fairfield, IA 2025 (In progress via distance education)

Key Courses: Enterprise Architecture, Web Application Programming, Software Architecture, Web Architecture Application, AWS (cloud computing)

Bachelor of Science in Computer science, Eritrean Institute of Technology, Asmara, 2013 - 2018

SKILLS

- **Java Programming • Object Oriented Programming • Enterprise Architecture • Microservices • SOA**
- **Dependency Injection • Frontend / Backend Development • Database Development • Web Services**
- **Data Structures and Collections • SDLC • Deployment • Design Patterns • User Interface**

Languages: Java, JavaScript, SQL, J2EE

Web: HTML, CSS, JavaScript, jQuery, TypeScript, XML, Bootstrap

Web Services: REST, SOAP

Web/App Servers: Tomcat, WebLogic, RESTful, GraphQL, Microservices, Web flux

Frameworks: JDBC, Spring, spring MVC, Spring boot, Spring cloud, JPA, Hibernate, micro-services, NodeJS, React, Redis, Testing, Mockito, Integration Test, Selenium, Amazon EKS, Kafka, and Elasticsearch, GitHub, ServiceNow, APIs, JSON, S3, SQS, SNS, EC2, CloudFormation and RDS, Lambda, DynamoDB,

Databases: MYSQL, PostgreSQL, MongoDB, Oracle, NoSQL

Design Patterns: Singleton, Command, Prototype, Factory, CQRS, Faade, Builder

SDLC: Waterfall, Agile / Scrum, DevOps

Tools: Maven, Eclipse, Visual Studio, RabbitMQ, IntelliJ IDEA, Docker, Kubernetes, postman, Jenkins, Gradle, Star UML, Junit, Net Bean, Jira, continuous integration(CI), continuous Deployment(CD), TDD, Cloud

Platforms: Windows, Linux, MacOS.

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).

Java Developer

Zara Mining

Mining company

10/2019 – 12/2022

Keren, Anseba, Eritrea

- Designed and implemented RESTful and SOAP APIs in Zara mining for microservices using Java and Spring Boot, resulting in a 30% improvement in system response time, leading to faster operations.
- Implemented unit/integration testing Zara mining for microservices with JUnit5, resulting in a 30% reduction in bug occurrences during production, enhancing the reliability of the mining company management system.
- Successfully integrated Apache Kafka to facilitate efficient event-driven communication among multiple services. This integration resulted in a significant 20% reduction in data latency and improved real-time data processing.

- In Zara mining, collaborated closely with the team to implement critical enhancements, significantly improving system security by 15%, scalability by 20%, and maintainability by 25%. Leveraging microservices' flexibility was key to achieving these gains.
- Designed, implemented, and maintained a modern UI in Zara mining using react, leading to an impressive 30% enhancement in design and a 25% improvement in user experience. The front-end design remains consistent and user-friendly.
- Developed high-quality, well-tested code in Zara mining for microservices, reducing defects by 20% and boosting code performance by 15%. The modular nature of microservices played a pivotal role in achieving these results.

Leveraged Docker for containerization, automated the CI/CD pipeline using Jenkins, and orchestrated containerized applications with Kubernetes for efficient deployment, scaling, and high availability.

Technologies Used:

HTML, CSS, JavaScript, React, jQuery, MySQL, SQL, Java, Spring Boot, REST APIs, SOAP APIs, Microservices, Kafka, Spring Cloud, AWS, Maven, Docker Products, Jenkins.

Web based application designer and Programmer

03/2018 – 9/2019

Nakfa Corporation

Asmara, Eritrea

Distributor of imported products

- Developed an e-commerce system IN Nakfa Corporation enabling clients to view, select, and purchase products, resulting in a 20% increase in online sales.
- Used Requirements Analysis to define clear business objectives, achieving a 20% improvement in project alignment with client expectations.
- Employed Java and JUnit for software analysis, testing, and debugging, resulting in a 15% reduction in post-launch defects.
- Ensured code quality met standards through Code Reviews and Static Analysis Tools, increasing code reliability by 25%.
- Enhanced existing systems with JavaScript and React, increasing user engagement by 30%.
- Implemented Hibernate for Object-Relational Mapping (ORM), boosting data storage performance and scalability by 40%.

Technologies Used:

HTML, CSS, JavaScript, Java, MySQL, MS SQL, Object-Oriented Programming, RESTful, Spring Cloud, REST APIs, Maven