

BINIAM GHEBREAMLAK GHEBREMEDHIN

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JAVA DEVELOPER

Highly motivated and talented professional with 6+ years of experience contributing to the development of large-scale applications in alignment with diverse needs of users and organizations. Dedicated to delivering projects on time, within budget, and in alignment with top quality standards – applying, deep knowledge of industry best practices including design patterns and software development lifecycle from requirements analysis to design, development, and implementation. Equipped with dynamic business domain experience, covering commercial, Healthcare, rental services, and ticketing systems among others. Technical proficiency includes Java, Spring, spring boot, React, Oracle, MySQL, Postgres, MongoDB, Neo4J, Docker, and Kubernetes.

Software Development Lifecycle (SDLC) • Web Services • Design Patterns • SOA • Java Programming
MS SQL • User Interface • Front End / Back End • OOPS • Database Development • Microservices
Design Patterns • Object-Oriented Programming • Concurrency & Multi-Threading
• Data Structures & Collections • Dependency Injection • Deployment • AWS

Languages: Java, SQL

Web: HTML5, CSS3, JSP, JSTL, Servlet, JavaScript, TypeScript, XML, JSON, jQuery, Ajax, Thymeleaf, Bootstrap

Web Services: RESTful, Microservices

Web & Application Servers: Apache Tomcat, Jetty, IBM WebSphere (WAS)

Frameworks: Spring (MVC, Security, AOP, Boot, Batch), Hibernate, JPA, React js, Mockito

Databases: MySQL, MongoDB, MS SQL, Oracle, Noe4J

Design Patterns: Singleton, Factory, MVC, Prototype, Observer, Proxy, Builder, Mediator, Façade, Decorator, Command, Iterator, Adapter, Template, Singleton, COR

SDLC: Agile / Scrum, RUP, Iterative, Waterfall, TDD

Tools: Spring Tool Suite (STS), IntelliJ IDEA, Eclipse, Visual Studio Code, Postman, Docker, Kubernetes, GKE, Jenkins, Kafka, RabbitMQ, Sublime Text, StarUML, Lucid-Chart, Argo UML, Visual Paradigm, Maven, JUnit, NetBeans, Git, GitHub

Monitoring Tools: Dynatrace, Splunk, X matters, Graphite

Cloud: AWS

Platforms: Windows, Linux

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed a *master's degree in computer science* (Available for full-time, W-2 employment).

COGNIZANT, California, USA • 2022 – Present

Technology Lead

Provided technical guidance, designing, development and Implementation of new features and conducted code review establishing best practices to ensure high quality, scalable, and maintainable solutions.

- Developed new functionalities for existing projects.
- Troubleshoot complex issues and provide technical solutions.
- Addressing opportunities for process improvement and optimization
- Develop REST API by creating Restful web services Integrated different sites with Graph DB and Introduced new APIs.
- Collaboration and communication with Support team to address potential challenges and issues affecting performance.

LIYA ENTERPRISE, Asmara, Eritrea • 2016 - 2021

Technology company.

Software Developer

Managed design and implementation of software, modules, and custom frameworks in alignment with Agile / Scrum and Waterfall methods – supporting operations and addressing needs of diverse organizations.

- Developed new web applications and added functionalities for existing systems.
- Performed analysis and redesign of applications, administering all aspects of coding, testing, and documentation updates.
- Developed TDD-based enterprise applications using RESTful web services.
- Isolated application and business layer from persistence layer with DAO pattern.
- Contributed to key product features and assigned stories in TDD.
- Introduced new features and modules in addition to optimizing existing code and database schema via query information.
- Developed new VB.net desktop application for monitoring and supervising field devices: Controllers, drives and motors for weigh – feeder subunit in cement industry.
- Design and Modeling of SCADA systems using VB.net.
- **Technologies Used:** Java, Spring, Spring Boot, MySQL, JSON, REST, JPA, Postman, Git, JUnit, STS, MS SQL, HTML, CSS, Docker, Kubernetes, MongoDB.

ACADEMIC PROJECTS

MIU Badge System, MIU (2022): Worked with five team members in design and development of Badge System which provides authorization through badge scanning for a user to access to services provided in library, cafeteria and recreation center and checks not to exceed the usage threshold as well as replacing a new badge and deactivating an old one.

- **Technologies Used:** Spring Security, RESTful, Rest-Template, Tomcat, Mockito, Spring Boot, Docker, Kubernetes, MySQL, KeyCloak.

Student Registration System, MIU (2022): Worked with five team members in design and development of online Student registration system, in which administrator can post course and schedules of a block education system in MIU. Faculties and Students can, signup, view courses and update profile.

- **Technologies Used:** RESTful Web Services, Spring Security, KeyCloak, JWT, Mockito, Spring Boot, Spring MVC, MySQL, Kotlin, Android.

Online Shopping System, MIU (2022): Worked with three team members in design and development of online shopping application capable of viewing available products, creating account, place order, and making payment transactions.

- **Technologies Used:** Spring Cloud, Spring Security, JWT, Kafka, Eureka Server, Spring Cloud Gateway, Open Feign, Circuit Breaker (Resilience4j), Load Balancer, Config Server, Zipkin, Rest, Tomcat, Mockito, Spring Boot, MySQL, MongoDB, Kubernetes.

FrameWork Development, MIU (2022): Worked with a team of three members in design and development of a framework for banking systems using sets of design patterns, the banking system has two apps Bank and Credit-Card Apps which use the banking system framework, the system can create accounts for personal and company types of customers, creates a credit card with different promotions.

- **Technologies Used:** Java, Party, Account, Command, Observer, Factory, Strategy, Singleton, MySQL.

EDUCATION

Master of Science in Computer Science

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

Maharishi International University, Fairfield, Iowa

Key Courses: *Fundamental Programming Practices, Modern Programming Practices, Software Engineering, Enterprise Architecture, Software Architecture, Advanced Software Design*

Bachelor of Science in Electrical and Electronics Engineering

Eritrean Institute of Technology, Asmara, Eritrea