

# Girma Moges Teklemariam

4416 Travis Street • Dallas, Texas 75205  
641-819-1192 • [girmateklemariam@gmail.com](mailto:girmateklemariam@gmail.com)  
<https://www.linkedin.com/in/girma-teklemariam/>

## Java Developer

Motivated Java Developer with 5 years of professional experience implementing enterprise web applications projects through all phases of software development life cycle. Ensure optimal functionality and performance of applications by troubleshooting and performing tests to identify and fix bugs. Skilled in implementing technologies such as Java, Spring, Hibernate, JavaScript, Jenkins, C#, HTML5, CSS3, MS SQL, MongoDB and AJAX. Extensive experience with Spring Core, Spring IOC, Spring Boot, Spring Data JPA, Spring AOP, Spring Integration and Hibernate ORM. Experience in integrating the internal security model into new projects with Spring Batch, Spring Microservices, Spring Boot and integrating Microservices Architecture with Spring Boot and Docker. Hands on Experience with Middleware Technology Messaging Brokers like JMS, Active MQ, Rabbit MQ.

---

Software Development Life Cycle • Java / Object Oriented Programming • Database Design  
Backend Development • Data Structures / Collections • Design Patterns

**Languages:** Java, JavaScript, C#

**Web:** JSP, Servlet, HTML5, CSS3, AJAX, jQuery, Bootstrap, J2EE, Thyme leaf

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

**Web and Application Servers:** Apache Tomcat, IBM Glassfish

**Building Architectures:** Microservices, Monolith

**Technologies:** Eureka, Hystrix, Object Relational Mapping (ORM), Inversion of Control (IoC), ActiveMQ, RabbitMQ, Kafka

**Frameworks:** Spring (MVC, Boot, Security, AOP, Data, Cloud), Hibernate, JPA

**Databases:** Relation Database (MySQL, MS SQL, Postgre SQL), NoSQL (MongoDB)

**Design Patterns:** Singleton, Observer, Command Strategy, Composite, Factory, MVC, Proxy, Adapter, Dependency Injection (DI), Inversion of Control (IoC), Iterator, Session, Prototype, State, Template and Chain of responsibility, Circuit Breaker.

**SDLC:** Agile / Scrum, Waterfall, Jira, TDD, DDD, CI/CD(Jenkins, Maven)

**Tools:** IDE (Visual Studio Code, IntelliJ, Eclipse, Spring Tool Suite, Microsoft SQL Server Management Studio), StarUML, GitHub, Postman, Swagger, Slack, Trello, Jira, AWS (5 Months)

**Platforms:** Windows 7 / 8 / 10, Linux, Docker

**Basic Knowledge:** Typescript, NodeJS, React

---

## PROFESSIONAL EXPERIENCE

### Seeking Employment and Continuing Graduate Studies

09/2020-Present

### Savvy Technology Solutions, Washington, USA

12/2019-09/2020

Consultation-Design-Training-Development-IT services

### Java Developer

Developed enterprise web application and manage AWS services.

### Tasks Performed:

- Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing. Successfully followed agile methodology in the Scrum model.
- Implementation of authentication for Restful API web services using Spring Boot Security Starter.
- Developed spring-based web applications for company use.
- Created a web component which handles student pages and operations.
- Provided consultancy to my team about basic IT-concepts and software development.
- Implemented routing and HTTP modules for navigation between the components and invoking the rest services using GET, POST, PUT, and DELETE methods.
- Integrated Spring DAO for data access with Hibernate to implemented CRUD operations

- Worked with NoSQL database MongoDB and developed custom MongoDB applications specific to client needs.
- Setup and build AWS infrastructure various resources (IAM, EC2, S3, AMI, RDS, Cloud Formation, ELB) based on the company client.

#### **Achievements:**

- Delivered a successful software project of school system.
- Analyzed requirements and ensured development according to specifications
- Successfully setup and build AWS infrastructure in cloud formation JSON template.

**Technology Used:** *Java, JavaScript, Spring Boot, Spring (MVC, ORM, JDBC, DAO, AOP), Hibernate, RESTful API, Postman, Mockito, Junit, Git, HTML, CSS3, MongoDB, AWS (5 Months), Linux.*

### **Relocated to the U.S and Enrolled in Graduated Studies**

**10/2019-12/2019**

### **Custor Computing PLC., Addis Ababa, Ethiopia**

**08/2017-10/2019**

Software and System development company.

#### **Software Developer**

Designed, developed, implemented, and tested enterprise web applications by supervising junior developers. Implemented to production several projects in different business domains.

#### **Tasks Performed:**

- Create solutions by developing, implementing, and maintaining Java based components and interfaces.
- Involved in the complete SDLC including design of System Architecture, development of System Use Cases based on the functional requirements.
- Analyzed, design, and development of enterprise web application based on Java using Spring and Hibernate.
- Manage production database and generate quality SQL reports for clients that can be used to make important decisions and data forecasting.
- Strong knowledge on Microservice design pattern and creating agnostic high-performance APIs.
- Design and Development using Java, Microservices working within Spring Framework/Spring Boot, Java 8 + functional programming, Restful Apis and Junits.
- Responsible to design and develop Microservice/Restful API using Spring framework and help in debugging any issue during SDLC life cycle
- Experience in developing solutions using Spring integration with various messaging system like Kafka.
- Used Spring core annotation for Dependency Injection Spring DI and Spring MVC for REST API's and Spring Boot for micro-services.
- Involved in developing code for obtaining bean references in spring framework using Dependency Injection (DI) or Inversion of Control (IOC) using annotations.
- Experience with Spring Data for Relational and Non-Relation Database and write code for all CRUD operations.
- Experience with SQL and no-SQL query (MongoDB) to write basic operations.
- Experience with securing API using different authentication mechanism – Ouath2.
- Experience on CICD tool and creating pipeline for build – Jenkins.
- Experience using various tools used in development- STS/IntelliJ, Postman, Git, Swagger, etc.
- Experience in Java development, building Microservices
- Experience with Spring and Spring Boot, Microservices, Spring MVC, Spring Data, Spring Security, Spring Integration etc.
- Developing the application for incident creation and retrieving the events using restful web services with Spring Boot.
- Designed and developed various modules of the application with Spring MVC architecture and Spring Bean Factory using IOC, AOP concepts.
- Extensively involved in coding with core Java concepts like Collections, Multi-Threading, Exception Handling, Java I/O, and Generics to implement some business logic.
- Responsible for Design Development Code reviews, Unit testing, providing support to testing team, Defect fixing, Defect triaging, Root causes Analysis and release/deployment support.
- Taking a leadership role in junior teams for delivering a project on time.
- Mentored and provided feedback to junior team members.

- Collaborated closely with my team members, interacting with users as necessary to clarify requirements and take responsibility for managing tasks while working on Agile Teams.
- Created code generator software for the company.
- Worked on version control system tool Git and having strong knowledge on source control.
- Provided training to company clients about the project.

#### ***Achievements:***

- Successfully deployed and developed project for governmental entity Addis Ababa Road and Transportation Office.
- Significantly improved performance and qualities of backend, frontend and database systems with continuous troubleshoot and dedication of work.
- Optimized existing code and new features and modules.
- Improved quality and delivery standards consistently while generating software solutions.

**Technologies Used:** *Java, JavaScript, Spring (DI, MVC, Security, Transaction, Validation, AOP, Boot, Email), Microservices, JPA, Hibernate, REST, SOAP, Postman, Swagger, Mockito, Junit, Git, Docker, HTML5, CSS3, jQuery, Bootstrap, MongoDB, Microsoft SQL Server, Maven, Jenkins, ActiveMQ, Kafka*

### **Africom Technology PLC, Addis Ababa, Ethiopia**

**05/2015-06/2017**

Cutting-edge IT solution provider focused on software development, networking, and consulting.

#### **Java Developer**

Developed and tested enterprise web application projects.

#### ***Tasks Performed:***

- Used Spring framework for model view controller (MVC) and integrated with hibernate.
- Developing Core Java programs for all business rules and workflows using spring MVC framework
- Involved in developing application using spring framework by utilizing its feature like Spring Dependency injection, Spring Security, Spring Web flow with spring MVC
- Developed Web services using SOAP, REST and integrated the SOAP and Rest based web services
- Established Database Connectivity using JDBC, Hibernate O/R mapping with Spring ORM.
- Worked on Java Multithreading, Collection and Coherence Framework. Implemented Java Multithreading to refresh the cache at a given set of time interval.
- Followed TDD (Test Driven Design) to make sure we have all the test for every behavior and that all our codes are clean, tested, and efficient with Junit and Mockito
- Used REST client / POSTMAN to check the response of various API's Swagger UI as a visual documentation for back-end implementation and client-side consumption. Handled various exceptions based on the response.

#### ***Achievements:***

- Maximized performance by testing business logic and integrations.
- Significantly improved performance of back-end program by optimizing database, using normalized tables and materialized views.

**Technology Used:** *Java, JavaScript, Spring (DI, MVC, Security), Hibernate, SOAP, REST, Mockito, Junit, Git, HTML, CSS3, Postman, Swagger, MySQL, Linux.*

### **ACADEMIC PROJECTS**

**Reversi/Othello, MIU (2020):** Developed a game application, then integrated with another team to allow multiplayer.

**Technologies Used:** *Java, JavaFx, HTTP, Web Socket, Git, **Design Patterns** (Singleton, Memento, Façade, State, Iterator, Factory, Adapter, Mediator), **Algorithm** (MinMax, AlphaBeta)*

**Airline Reservation, MIU (2020):** Implemented a system for appointments and reservations.

**Technologies Used:** *Java, Spring (Boot, Security), REST, Microservices, JMS, Junit, Mockito, Git, and MySQL.*

**Online Market, MIU (2020):** Designed and Developed online e-commerce web application capable of handling products, seller and buyer registration, rating and purchases.

**Technologies Used:** Java, Spring (Boot, Security), JavaScript, HTML5, CSS, jQuery, JSON, REST, Thymeleaf, Git, Tomcat, and H2.

**Let's Explore, MIU (2020):** Developed system to provide information related to tourist destinations.

**Technologies Used:** Servlet, JSP, AJAX, jQuery, JavaScript, File System, Bootstrap 4, JSON, HTML5, Maven, Tomcat and Git.

**Library Management System, MIU (2020):** Designed modules for library management application used to check in and check out books. **Technologies Used:** JavaFX, Java 8, MySQL, Git and Eclipse.

## EDUCATION

### Master of Science in Computer Science

*(In progress via distance education; expected completion 2022)*

Maharishi International University, Fairfield, Iowa

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

### Bachelor of Science in Electrical and Computer Engineering - 07/2017

Gondar University, Gondar, Ethiopia