

# Girma Moges Teklemariam

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## 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.

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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, RESTful API, JSON, Microservices

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

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

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

**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, 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

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## PROFESSIONAL EXPERIENCE

**Relocated to U.S., 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 and tested enterprise web application.

#### Tasks Performed:

- Produced clean business logic for models in the MVC structure using Java on the server side.
- 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.
- 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
- Integrated Spring DAO for data access with Hibernate to implemented CRUD operations
- Setup and build AWS infrastructure various resources (IAM, EC2, S3, AMI, RDS, Cloud Formation, ELB) based on the company client.

#### Achievements:

- Successfully developed project for Octo (DC Office of the Chief Technology Officer)
- 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, Hibernate, RESTful API, Postman, Mockito, Junit, Git, HTML, CSS3, MySQL, 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:**

- Established clean and efficient code to industry standards in Java and J2EE technologies.
- 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 J2EE 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.
- Improve data accuracy provided by users by Implementing and maintaining front end applications with latest technologies and ensures competitive UI and UX design for better user experience.
- Taking a leadership role in junior teams for delivering a project on time.
- Develop application based on Test Driven Development (TDD) technique and help improving code quality through Application Testing by writing unit, E2E and API tests.
- 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 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.

**Technologies Used:** Java, JavaScript, Spring Boot, Microservices, Hibernate, RESTful API, Postman, Swagger, Mockito, Junit, Git, Docker, HTML5, CSS3, Bootstrap, MongoDB, Microsoft SQL Server, Maven, Jenkins, JavaFX, ActiveMQ

**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.
- 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 MVC, Hibernate, 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