

## GIRMA TEKLEMARIAM

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### JAVA BACKEND DEVELOPER

Highly skilled java backend developer having 4 years of hands-on experience participating in the design and development of large-scale applications throughout the complete software development life cycle using modern Agile methodologies. Able to deliver clean, robust code for back-end components using technologies like Java, J2EE, Spring, Hibernate, RESTful, MS SQL, and StarUML. History of implementing high-quality, high-performing Java-based solutions within schedule.

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SDLC Phases • Object-Oriented Java Programming • Back End Components  
Microservices • Database Development • Design Patterns • Testing & Troubleshooting

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

**Web:** JSP, Servlets, TypeScript, XML, jQuery, Thymeleaf, HTML5, CSS3, AJAX, Bootstrap

**Web Services:** Microservices, RESTful, JSON, SOAP

**Web/App Servers:** Apache Tomcat, IIS

**Frameworks:** Spring (MVC, Boot, Security, AOP, Data, Cloud, DI), Hibernate, .NET Core

**Databases:** MySQL, PostgreSQL, MS SQL, MongoDB

**Design Patterns:** Singleton, Observer, Factory, MVC, Proxy, Adapter, Dependency Injection, Iterator, Prototype, Session, Session Factory, State, Façade

**SDLC:** Agile-Scrum, Waterfall, TDD

**Tools:** IntelliJ, VS Code, STS, Eclipse, Visual Studio, GitHub, Postman, StarUML, Trello, JIRA, Slack, Swagger, Docker, JUnit, Mockito, Apache Kafka, Kubernetes, Jenkins

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

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### PROFESSIONAL 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).

#### **CUSTOR COMPUTING PLC, Addis Ababa, Ethiopia • 2019**

A software development company providing system development, web design, and networking.

**Software Developer:** Created web, front end, and back end components using clean, efficient Java code.

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

- Maintained views and class layers to efficiently fetch and display data from databases.
- Developed a CRUD operation component using Java, Spring Boot, and MS SQL.
- Established domain classes and mapped to database. Developed SQL queries to generate reports.
- Designed, developed, and maintained entity relationships. Uploaded databases and tables.

##### **Achievements:**

- Successfully developed project for governmental entity *Addis Ababa Road & Transportation Office*.
- Maximized data visibility, quality, and performance by securely collaborating with other projects.

**Technologies Used:** Java, JavaScript, Spring Boot, Microservices, Hibernate, MS SQL, TDD, Postman, GitHub, Docker, Windows

#### **BT-IT SOLUTION PLC, Addis Ababa, Ethiopia • 2018-2019**

Outsourcing company providing software development, web design, and web development.

**Software Developer:** Contributed to both front-end and back-end software development.

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**Tasks Performed:**

- Produced clean business logic for models in the MVC structure using Java and JavaScript on the server.
- Established domain classes and mapped to database. Wrote My SQL queries for report generation.

**Achievements:**

- Delivered a successful software project for *Magic Carpet School*.

**Technologies Used:** Java, JavaScript, Spring Boot, Hibernate, Thymeleaf, Rest API, GitHub, MySQL

**AFRICOM TECHNOLOGIES PLC, Addis Ababa, Ethiopia • 2015-2017**

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

**Back-End Developer:** Built and maintained data fetching scripts for use by front-end programmers.

**Tasks Performed:**

- 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, Mockito and Mocha/Chai.
- Wrote SQL queries for report generation.

**Achievements:**

- Significantly improved performance of back-end program by optimizing database, using normalized tables and materialized views.

**Technologies Used:** Java, Spring Boot, Hibernate, Junit, Mockito, Postman, SQL, GitHub, Linux.

## ACADEMIC PROJECTS

**Reversi/Othello, MIU (2020):** Developed a game application, then integrated with other teams' versions to allow multiplayer. **Technologies Used:** Java, JavaFX, HTTP, Web Socket, Design Patterns (Singleton, Memento, Facade, State, Iterator, Factory, Adapter, Mediator), Algorithms (MinMax, AlphaBeta)

**Airline Reservation, MIU (2020):** Implemented a system for appointments and reservations. **Technologies Used:** Spring (Boot, Security), REST, Microservices, MySQL, JMS

**Online Market, MIU (2020):** In a team of 4, designed and developed online e-commerce web application capable of handling products, seller and buyer registration, ratings, and purchases. **Technologies Used:** Java/J2EE, CSS, Spring Boot, H2, Git, Thymeleaf, AJAX, JSON, JavaScript, jQuery, REST, Tomcat

**Let's Explore, MIU (2020):** Created an application which provides information about tourism sites and other sightseeing places throughout the world. **Technologies Used:** Servlet, JSP, AJAX, jQuery, JavaScript, File System, Bootstrap, JSON, HTML, Maven, Tomcat, Git

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

## EDUCATION

**Master of Science in Computer Science**

(In progress via distance education; expected completion June 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 & Computer Engineering**

Gondar University – Gondar, Ethiopia