**ZELALEM GELGELO**

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**FULL STACK JAVA DEVELOPER**

Experienced, collaborative and technically Knowledgeable full-stack Java developer professional with more than 4 years of experience developing enterprise-level applications which resolve major business challenges. Hands-on experience using Java/Java EE, Spring, and Hibernate Frameworks to ensure optimum back-end performance with Skilled in implementing technologies using Java, Spring MVC, Spring Boot, Hibernate, JavaScript, HTML, CSS, jQuery, AJAX, MongoDB, SQL and MySQL. Participated in all those phases of software development life cycle, coordinating with both clients and multi-cultural teams.

Software Engineering • Web Application Development • Enterprise Applications & Systems

• Full Stack Development Java Programming • Database Management • Software Development Life Cycle

• Agile / Waterfall Methodologies

•Testing / Deployment • Bug Fixes • Team Collaboration

**Languages:** Java/J2EE

**Web:** HTML, CSS, JavaScript, jQuery, AJAX, Servlet, JSP, Thyme leaf, TypeScript, XML, AngularJS, Node.js

**Web Services:** REST, SOAP, JSON, Jersey and JAX-RS.

**Web/App Servers:** Apache Tomcat, IBM Glassfish

**Frameworks:** Spring MVC, Spring Security, AOP, Spring boot, Hibernate, Angular, Express, Mockito, Junit, Force.com, Apex Selenium

**Big Data:** Hadoop, MapReduce, Spark, Scala

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

**Design Patterns:** Abstract Factory, Builder, Singleton, Decorator, Mediator

**SDLC:** Agile/Scrum, Waterfall

**Tools:** IntelliJ IDEA, NetBeans, Eclipse, Visual Studio Code, StarUML, GitHub, Maven, WebStorm, STS Suite, Postman, Visual Studio

**Platforms:** Windows, Ubuntu, Linux

**PROFESSIONAL EXPERIENCE**

**FARKA ICT SOLUTIONS, Addis Ababa, Ethiopia • Sep 2016 - Dec 2018**

Software development company

**Software Developer**

Designed and implemented software, modules, and custom frameworks to support operations of diverse organizations in the business, financial, banking, and health domains. Assessed business needs, developed reusable code, and contributed to all phases of SDLC.

**Tasks Performed:**

* Developed enterprise-level applications and services following industry best practices
* Leveraged AOP and IOC features of Spring Framework
* Used JPA/Hibernate Framework for Object Relational Mapping
* Handled authentication and authorization with Spring Security
* Used DAO Pattern to isolate the application/business layer from the persistence layer
* Wrote use cases, class, sequence, ER, and other UML diagrams to document process flows
* Supported internationalization
* Prepared unit test cases
* Interacted with clients to determine and analyze requirements.

**Achievements:**

* Implemented new features/modules and optimized existing code.
* Optimized existing API by rewriting queries to be more efficient.

**Technologies Used:***Java/Java EE, Spring Framework, JPA /Hibernate, HTML, CSS, JavaScript, jQuery, Ajax, JSP, MySQL, Internationalization, STS, Maven, Git, Junit, SDLC(Agile)*

**FOCUSLABS, Addis Ababa, Ethiopia • Apr 2014 – Aug 2016**

Startup technology company

**Software Developer**

Designed, implemented, tested, and deployed features and functionality for major product, greatly enhancing value to customers.

**Tasks Performed:**

* Performed requirement analysis and design
* Implemented Use Case, Class, VOPC, and Sequence Diagrams.
* Designed projects based on Java OOP concepts.
* Developed subsystems and layers based on MVC Layers.
* Created backend ORM / Object Relational Mapping with JPA / Hibernate.
* Established Web Service API with RESTful.

**Achievements:**

* Improved performance and functionality by debugging and testing code.
* Gained specialized expertise in Spring, Hibernate, Maven, and RESTful Web Service.
* Enhanced team performance by training, supervising, and mentoring team of Junior Software developers.

**Technologies Used:***Java, Java 8, Spring (DI, Boot, MVC, Data, Security, Transaction, Validation, AOP) REST, JAX-RS / Jersey, JPA / Hibernate, MySQL, JavaScript, JSP, HTML5, CSS3, JSON / XML, Maven, Eclipse / STS, IUML, Tomcat, Waterfall, Rup, Agile*

**ACADEMIC PROJECTS**

**E-Comerce:** Built automated online exam system, ensuring optimal functionality for schedule the exam, post the exam for the given time and result is automated and sent by email.

*Technologies Used:*Single Page Application (SPA) using TypeScript, JavaScript, Angular, NodeJS, Express, MongoDB.

**Hotel Reservation Management System:** Designed and implemented Web-based application to reserve room for specific hotel, system accused customers to reserve room and management system access overall control of entire application. *Technologies Used: Spring Boot, Hibernate MVC, RESTful interfaces with spring MVC, Hibernate, JPA, JSP, HTML, CSS, JavaScript, jQuery, AJAX, MySQL*

[**Airline Flight Booking System**](https://github.com/niguskidane/AirLine-Flight-Booking-System)  Design and implement a fully functional online Flight Booking System (FBS) application, that allow users to view available flights, search a specific flight, book a flight, view reservation information, manage flight schedule registration, Airline registration, Airport and Airplane Registration.

*Technologies Used:* HTML, CSS, Java, AJAX, Spring-Boot, Spring WEB/MVC, Spring Data, Spring Security JavaScript, Hibernate, MySQL, Workbench, Maven, StarUML, Postman IntelliJ IDEA, GitHub

**Blood Bank Management System:** Developed service-based distributed application that allows blood donations and distribute bloods for hospitals that request and automatically control expirations of donated bloods in blood drive system. *Technologies Used:* Java EE, Spring (MVC, Security), Spring Boot, Hibernate, DAO Pattern, REST, Rest Template, AMQPs, JMS, Rabbit MQ, ActiveMQ, Spring Integration, Oauth2, Maven, JSP, MySQL, HTML, CSS, MySQL

**EDUCATION**

**Master of Science in Computer Science**

Maharishi University of Management – Fairfield, Iowa

***Key Courses:*** *Modern Programming Practices; Database Management Systems; Web Application Programming, Web Application Architecture, Enterprise Architecture,Modern Web Applications,*

*Software engineering, Software Architecture, Big Data, Data Structure, Algorithms*

**Bachelor of Science in Computer Science**

Maharishi University of Management – Fairfield, Iowa

**Bachelor of Science in Electrical and Computer Engineering**

Haramaya University – Haramaya, Ethiopia