

# Henok Gebrehawariat

## Full Stack Engineer

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### Summary:

- Software Developer with 6 plus years of work experience in Design & Development of Enterprise Applications, Web Applications, and Web Services in Java, JavaScript, C# and related technologies.
  - At Verizon, Fixed bugs on backend microservice for different flows like 4G, 5G and wireless rest APIs.
  - At Aquila ICT, developed a restful ecommerce application that helps users view and add products to their cart, and checkout the items in the cart.
  - At Afmobi, developed both Android apps and Microservice APIs for mobile phone sales tracking and analysis also updated a legacy code from Visual Basics code to C# language.
- Extensive working experience within Design, Development, and Implementation in the field of Web Applications development using HTML, CSS, JavaScript, Angular, Restful web services, Microservices.
- Developed enterprise web application using Angular, Nodejs, Spring framework.
- Expertise in Core Java concepts - Collection Framework, Exception Handling, Serialization.
- Experience in working on Spring boot and ORM Technologies like Hibernate which implements JPA.
- Good at deploying applications to GCP but also familiar with Microsoft Azure.
- Expertise in implementing Design Patterns like Singleton, Prototype, Proxy, Template, MVC (Model View Controller), Facade, DAO, DTO, Builder, Factory, Decorator, Observer and Strategy.
- Experience in using Docker for the runtime environment of the CI/CD system to build, test deploy.
- Used persistence frameworks, Hibernate ORM, JPA to map POJOs to a relational database.
- Experienced in Designing and Development of database systems using RDBMS concepts including MS SQL, MySQL.
- Hands on Experience in NoSQL databases such as MongoDB.
- Experienced in JIRA tool for managing stories, issues, monitoring of work assignment in the system.
- Experience in TDD and Paired programming.
- Extensively used Junit and log4j for unit testing and logging.
- Dedicated with strong work ethics, Quick learner, excellent Team player with good collaboration skills.

### Technical Skills:

Programming Languages	Java, C#
Frameworks	Spring, Spring Boot, Transaction Management, Hibernate
Web Development	HTML, CSS, SCSS, Java Script, Typescript, Angular, Bootstrap, Material UI, Nodejs, Expressjs.
Web Services	REST, Microservices
Methodologies	Agile/Scrum, Waterfall, XP, TDD
Design Patterns	MVC, DAO, Factory pattern, Singleton, Builder, Strategy, Proxy, Decorator, Observer.
Rational Databases/ NOSQL	MS SQL Server, MySQL, Mongo DB
Cloud	Microsoft Azure, GCP
CI/CD	Jenkins, GitHub Actions
IDEs	IntelliJ, Visual Studio, Visual Studio Code, Spring tool Suite, Android studio
Build Automation and Other Tools	Docker, Maven, Kafka, Eureka, Kibana, Elasticsearch, Logstash, Postman, Netflix Hystrix, Swagger
Testing and Logging Frameworks	Junit, Mockito, Log4J. TDD
Version Controls	GitHub, GitLab
Operating Systems	Windows, MacOS

▪ **Professional Experience:**

○ **Java Software Engineer – Walmart Global Tech via Kitestring Technical Services, USA** **Aug 2022-present**

**Responsibilities:** A Walmart tech organization that powers Walmart Inc. and its business units, including Walmart U.S.

- I was assigned at the Health and Wellness Department, specifically in Misc. Core Team.
- Involved in planning of system and development deployment as well as maintained a microservice application for Walmart Pharmacy.
- Developed new features for the modernization of Walmart Pharmacy in the Prescription Record Management Team
- Upgrade redundant and inefficient code logic and patterns by communicating with Software Architects and team leads.
- Drive technical vision and influences product roadmap and vision  
Implement large-scale, complex, cross-functional projects
- Developed and maintained Spring Apache Kafka based Microservices to produce and consume pharmacy related events from/to various services.
- Worked alongside various teams in cross-functional and agile environments.
- Worked closely with QE to resolve bugs and issues found in Dev, QA and Stage environments
- Reviewed teammate's code before deployment QA environment.
- Supports business objectives and ensures the business needs are being met.

**Environment:** Java/J2EE, Microservice, Spring boot, Hibernate, Kafka, *Cosmos DB, Azure SQL, Junit, Mockito, Log4j, Git, Docker, Kubernetes, Jenkins Pipeline*, MS SQL, IntelliJ, Visual Studio Code, one-Lens, Splunk, JIRA, Kitt configuration and CCM configuration.

○ **Software Developer – Verizon Communications Inc. via Creospan, Inc. USA** **May 2022-jun 2022**  
**Responsibilities**

- Fixed bugs for Verizon's backend microservice for different flows like 4G, 5G and wireless rest APIs.
- Developed a web application using Angular
- Used Test driven development methodology and extreme programming practices to develop the application.
- Building Instant Messaging App. A after Authentication, a user can search other users within their organization. A user is able to create channels (groups) and conduct group chat.
- Fetching data from Wikimedia using Kafka to open search for analysis.
- Designed financial framework to support very basic common tasks required in financial system using good software Design Patterns.
- Actively orchestrated in building an application using an MVC architecture using spring boot
- Added resilience to microservices using Hystrix
- implemented an API gateway that was used to handle the complex communication between the client and different services thereby enhancing customer experience.
- Integrated Zipkin in the microservices for tracing the communication between the services
- Used Apache Kafka for handling distributed streams of data in the application
- Added system wide logging by using Log4J with the combination of ELK stack to transform, store and view the logs using UI provided in Kibana
- Actively designed and developed an ecommerce application that helps users view and add products to their cart, and checkout the items in the cart.

**Environment:** Microservice, Angular, Nodejs, MySQL, Spring boot, JPA, Hibernate, MongoDB, Kafka, Zookeeper, Zipkin, MySQL, JUnit, ELK Stack, MongoDB, Hystrix, Eureka, Spring cloud API Gateway, IntelliJ, Visual Studio Code, Kafka.

○ **Software Engineer – AQUILA ICT Solution**

**Sep. 2019 to May. 2021**

**Responsibilities:**

- Designed and implemented system architecture and applications.
- Translate application storyboards and use cases into functional applications.
- Wrote reusable, fully tested code; performed unit tests and fixed bugs in new and existing code.
- Design database based on the given change request and design documents from client.
- Experience with SQL databases like MSSQL Server and MySQL
- Worked on Swagger, REST, and Postman for testing the Web Services and Documentation of the Web API.
- Implemented fully distributed system with the use of Restful API.
- Optimized application performance by removing unnecessary background jobs.
- Developed a RESTful web API.
- Improve code quality and code efficiency by doing code reviews in teams.

**Environment:** Java, Spring Boot, Google Cloud: GCP, Kubernetes, Hibernate, MySQL, SQL, Spring Cloud, Eureka, Zipkin Server, Hystrix, Spring Configuration Server, Microservices, REST, Kafka, Sonarqube.

○ **Software Developer - AFMOBI MOBILE COMPANY/ TECNO Mobile**

**Jan 2012 to Oct 2016**

**Responsibilities:**

- Involved in all phases of Software Development Life Cycle (SDLC).
- Used Spring Boot to create stand-alone spring applications. Used IntelliJ Integrated Development Environment for coding, debugging, and testing the application modules.
- Used Hibernate ORM to integrate with the business application with MySQL Database.
- Developed Android and backend applications for numerous clients.
- Implemented and tested RESTful API and relational database deployed on companies' server.
- Maximized quality by implementing testing and fixing bugs.
- Implemented a Continuous Delivery pipeline using GitHub.
- Developed and maintained Point of Sale machines.
- Created module for integration of Point of Sales system.
- Converted a legacy Visual Basics code to C# language.
- Implemented project feasibility study.

**Environment:** Java, Spring Boot, Hibernate, REST, MySQL, MongoDB, HTML5, CSS, JavaScript, Nodejs, Express, Angular, IntelliJ, Eclipse, Visual Studio Code, Mockito, JUnit, Git, TDD, *Visual Studio, Bar Code Reader*, Programable Digital Scale, Visual Basics, C#

▪ **VOLUNTEER PROJECTS**

**JPMORGAN CHASE & CO. (March 2021 to April 2021):**

**Responsibilities:**

Interface with a stock price data feed

Use JPMorgan Chase frameworks and tools, and display data visually for traders.

▪ **Educational Details:**

- Master of Science in Computer Science
- Master of Science in Bio-Robotics
- Bachelor of Science in Electrical and Computer Engineering