

Amanuel Abraha

• Dallas, TX, 75254 • 641-819-2426

amanuel.abraha1991@gmail.com • <https://www.linkedin.com/in/amanuel-kibreab/>

Software Engineer

An experienced Java developer with over 5 years of expertise in modern software development life cycle (SDLC) techniques, proficient in developing applications from scratch that meet all project requirements and deploying them to production to ensure customer satisfaction. Capable of creating strong, easily understandable code using Java and JavaScript, as well as demonstrating expertise in RESTful web services, microservices, Spring, React, MySQL, MongoDB, Docker, AWS, Kubernetes, VS Code, and Git. Familiar with IOC and AOP, and utilizing various design patterns to meet current industry standards, having implemented numerous projects.

Software Development Lifecycle (SDLC) • Web Services • Design Patterns • SOA • Java Programming
MS SQL • User Interface • Front End / Back End • OOPS • Database Development • Microservices
Design Patterns • Object-Oriented Programming • Concurrency & Multi-Threading
Data Structures & Collections • Dependency Injection • Deployment • AWS

Languages: Java, J2EE, SQL

Frameworks: Spring MVC, Spring Security, Spring Framework, Spring Boot, Hibernate, JPA, React js, Angular, Mockito

Web: JavaScript, TypeScript, Bootstrap, CSS

Web & Application Servers: Apache Tomcat, RESTful, Microservices, Web flux, Netty, graphql

Databases: MySQL, MongoDB, Postgres, DynamoDB, Oracle

Design Patterns: Singleton, Factory, MVC, Prototype, Observer, Façade, Adapter, Builder, CQRS

SDLC: Agile / Scrum, TDD

Tools: IntelliJ IDEA, Terraform, Docker, Kubernetes, Jenkins, Kafka, RabbitMQ, Maven, JUnit, Git, GitHub, Jira, Splunk

Platforms: Windows, Linux, macOS

AWS: EC2, ECS, EKS, ECS Fargate, ELB, EBS, S3, Cloud Front, VPC, IAM, SQS, SNS, Lambda, Cloud Watch, API Gateway, Aurora, Route53, Kinesis, Cloud Formation, Elastic Beanstalk, Autoscaling, RDS, DynamoDB, Aurora and others.

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses on Weekends to complete a **master's degree in Computer Science** (Available for full-time, W-2 employment).

Kabbee.org , United States, April-2023 -Oct-2023

Sr. Software Engineer (Remote)

Design and develop scalable Video Streaming Application.

- Developed and maintained complex software applications using Java programming language.
- Designed and implemented RESTful APIs using Spring Boot framework.
- Designing and implementing scalable, resilient, and highly available microservice.
- Collaborated with cross-functional teams to develop scalable solutions and improve application performance. Experienced in Agile methodologies and participated in Scrum meetings, sprint planning, and code reviews.
- The services use AWS to store, deliver, transcode, ingest, and extract metadata from video files.

Delta tech, Asmara, Eritrea • March 2020 - April 2022

Java Software Engineer

Design and develop scalable e-commerce Application for customers, Sellers and Admin

- Leveraged Spring Boot to rapidly develop and deploy a scalable microservices-based application, reducing development time and improving application performance.
- Developed RESTful API in collaboration with front-end developers.
- Implemented Apache Kafka to enable efficient event-driven communication between multiple services.
- Followed *TDD* principles to write code that passes tests, ensuring better code coverage and fewer bugs.

- Deployed Spring Boot application on AWS, demonstrating proficiency in cloud deployment and utilizing services such as EC2 and EKS

Delta tech, Asmara, Eritrea • February 2017 - March 2020

Junior Java developer

Design and develop scalable Banking Application that enable individuals and business to manage their finance effectively.

- Developed enterprise-level applications using RESTful web services, Java, and Spring Boot.
- Designed and developed user-friendly interfaces using HTML5, JavaScript, Angular and React.js to improve the user experience and increase engagement.
- Performed frontend and backend coding, backend testing, and software installation.
- Utilized Agile/Scrum methodology during the development process.
- Implemented Hibernate for ORM mapping and database persistence, enhancing the performance and scalability of the project's data storage solution.
- Leveraged the Mockito framework for creating mock objects and simulating complex scenarios in unit tests, resulting in more comprehensive and reliable test coverage

PROFESSIONAL PROJECTS

Video Streaming Application: The app provides a diverse range of content such as news, music, entertainment, sports, and programs centered around Eritrea and its global diaspora.

Web Shop Application: Worked in our company to design and develop a web shop application with functions for product inventory, customer registration, payments, and order. Implemented microservices with individual databases, Kafka messaging for interaction and updates, Zipkin for monitoring and tracing, docker for deployment and S3 buckets for saving big data.

Technologies Used: Java, Spring Boot, Hibernate, Spring (Cloud, Cloud Gateway), MongoDB, Kafka Magic, Netflix (Eureka, Hystrix), Zipkin, Git, Sleuth, Logstash, Elasticsearch, Kibana, Tomcat, AWS, Splunk

ACADEMIC PROJECTS

Library System, MIU (2022): Independently developed an application which allows library administrators to manage books and customers to reserve and borrow books. Book Catalog application interacts with and updates the Library application through RESTful web services and JMS messaging (ActiveMQ).

Technologies Used: Java, Spring Boot, Hibernate, JPA, REST, MongoDB, HSQLDB, ActiveMQ, Prometheus, Grafana, JUnit, Rest Assured, Tomcat, Git, Tomcat, Sleuth, Logstash, Elasticsearch, Kibana, AWS

Luxury Car Rental, MIU (2022): Collaborated with 5 team members to design and develop an application which supports customers in reserving luxury cars for special occasions. The system enables administrators to manage available and reserved cars.

Technologies Used: Java, JavaScript, Spring Boot, Hibernate, JPA, REST, JWT, HTML5, JavaScript, ReactJS, JUnit, Mockito, Docker, Netlify, Lucid Chart, Git

EDUCATION

Master of Science in Computer Science

(In progress via distance Education on weekend; expected completion October 2024)

Maharishi International University – Fairfield, Iowa

Key Courses: Fundamental Programming Practices; Modern Programming Practices; Database Management System; Algorithm; Enterprise Architecture; Software Architecture

Bachelor of Science in Computer Science (2015)

Eritrea Institute of Technology – Asmara, Eritrea

Certification: AWS Certified Cloud Practitioner

