Daniel Abraha

Java Full Stack Developer

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With a background in IT spanning over 6+ years, I am a skilled Java developer who excels in designing and integrating APIs, leading backend solution implementations, and utilizing technologies like Spring Boot, Hibernate, RESTful, and Microservices. I have extensive experience in Agile/Scrum and Waterfall methodologies and have worked with various databases like MySQL and MongoDB. My ability to adapt to new technologies and excellent communication and interpersonal skills make me an asset to any team. I am a proven problem-solver with a track record of adding new features to existing systems and developing new applications.

# SKILLS

Software Development Life Cycle • Frontend / Backend • Agile / Scrum • Object Oriented Programming •

Data Structures and Collections • Design Patterns • SQL/Database Management • Microservices • RESTful APIs •

Multithread Programming • Version Control • Test-Driven Development (TDD) • React.js • AWS •CICD

Java, Java2 EE, Java 8

HTML5, CSS3, JSP, JSTL, JavaScript, JSON, jQuery, Ajax, Bootstrap, React RESTful, Microservices, REST APIs

Agile / Scrum, RUP, Iterative, Waterfall

Design Patterns: Observer, Proxy, Builder, Mediator....

MySQL, HSQL, MongoDB, MS SQL

As Back-end: Spring (MVC, Security, AOP, Boot, Batch), Hibernate, JPA, Express.js, Node.js Data Structures and Collections (java programming)

Web & Application Servers: Apache Tomcat

Spring Tool Suite (STS), Docker, Kubernetes, Git, GitHub, Jenkins, Kafka, ActiveMQ, Maven, JUnit

# WORK EXPERIENCE

**Kabbee** - Java Developer

Jan 2023 - current

Developed and maintained complex software applications using Java programming language. Designed and implemented RESTful APIs using Spring Boot framework.

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.

Worked with MongoDB - NoSQL database, to manage and store application data.

Perform Test-cases and provide Testing (JUnit, Mockito) to ensure code quality and reliability.

## Project: Video-Streaming API

Uses a microservices architecture with technologies like Spring Cloud, Docker, and MongoDB to manage and deliver video content efﬁciently and reliably. This enables the API to break down its functionality into smaller, more modular components, providing scalable infrastructure and efﬁcient management of video content.

The video streaming API handles user authentication and payment processing using Spring Security, JWT, and payment gateways such as PayPal or Stripe.

The design of the video streaming API incorporates Circuit Breaker (Resilience4j), Load Balancer, and Conﬁg Server to ensure high availability and Scalability.

* The services are used AWS to store, deliver, transcode, ingest, and extract metadata from video files.

# Delta Information Systems – Java full Stack Developer

2015 – 2022 Asmara, Eritrea

Technology and Engineering firm:

* Over 5 years of experience developing enterprise applications for diverse domains, including Financial/ Banking and Retail companies.
* Proficient in multiple platforms and technologies, including API Management platform, ESB, and various AWS tools.
* Implemented multi-tier applications using web-based technologies like Spring (Boot, IOC, MVC, REST, AOP, Security,

ORM) and Hibernate/JPA

* Front-end web development experience with React, Flutter, Angular, Html
* Back-end development experience with Microservices, Kafka, Docker, Rest API, JUnit, Mockito, and MongoDB

**Selected Projects:**

**Project: Student Registration System**

* Designed and implemented an online student registration system for the Ministry of Education (MOE) of Eritrea.
* Led a team of five professionals, providing guidance, coordination, and leadership to ensure successful project outcomes.
* Developed RESTful Web Services, utilized Spring Security for authentication and authorization, and implemented JWT for secure token-based communication. Leveraged Spring Boot and Spring MVC for robust and scalable web application development.
* Ensured efficient and reliable data storage and retrieval by utilizing MySQL as the database for the student registration system. Administered and maintained the database, ensuring seamless connectivity and data integrity.
* Employed a comprehensive technology stack, including RESTful Web Services, Spring Security, JWT, Mockito, Spring Boot, Spring MVC, MySQL, and Android, to build a fast, secure, and robust student registration system. Demonstrated proficiency in utilizing industry-standard technologies and frameworks.

**Project: E-Commerce Application System**

* Led the development and implementation of new features for the e-commerce application system. Provided guidance and oversight to the development team, ensuring timely delivery of high-quality solutions.
* Ensured the system met functional requirements, performance standards, and security measures.
* Designed and implemented features that allowed users to view products, register and authenticate, place orders, and process payments securely. Ensured a seamless and user-friendly e-commerce experience, focusing on usability and performance optimization.
* Spring Cloud for distributed architecture, Spring Security for secure authentication, JWT for secure communication, and Kafka for real-time data streaming. Utilized Eureka Server, Spring Cloud Gateway, Open Feign, Resilience4j, Load Balancer, Config Server, Zipkin, Rest, Tomcat, Mockito, Spring Boot, MySQL, MongoDB, and Kubernetes for various system functionalities.
* Designed and implemented features that allowed users to view products, register and authenticate, place orders, and process payments securely. Ensured a seamless and user-friendly e-commerce experience, focusing on usability and performance optimization.

# EDUCATION

**Maharishi International University (Fairﬁeld, Iowa)** - MCS,

Computer Science (In progress via distance education; expected completion December 2023)

***Web Application Programming, Web Application Architecture, Software Engineering, Enterprise Architecture, Software Architecture, Advanced Software Development, Modern Web Application, Big Data Technology***

**Eritrean Institute of Technology (Asmara, Eritrea)** - Bachelor of Science Mathematics