

Abel Seyoum

SOFTWARE ENGINEER

- Charlotte, NC

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Adaptive and experienced software engineer with over 5 years of experience working end-to-end software development life cycle in Java, Spring, JavaScript, React, Node, and AWS. Proficient in object-oriented, service-oriented (SOA), and microservices architecture, with a strong track record of delivering highly scalable and robust end-to-end web solutions to clients. Skilled in system design and analysis of applications, web service architectures, and Restful APIs. Dedicated to continuous learning and applying for a software engineer role to provide innovative solutions and support for challenging problems.

TECHNICAL SKILLS

Languages: Java, JavaScript

Web: HTML5, CSS3, jQuery, Bootstrap, React, Bootstrap, Tailwind, Material UI

Web Services: REST, JSON, GraphQL, XML

Frameworks: Spring (MVC, Boot, Webflux, Security, Data, AOP, Cloud), Angular, Hibernate, Express, JUnit, Mockito, Jest, Kafka, Jakarta EE, J2EE, AWS (EC2, Lambda, IAM, ELB, RDS, DynamoDB, API Gateway)

Databases: MySQL, PostgreSQL, MongoDB, AWS RDS, DyanamoDB

Design Patterns: MVC, Strategy, Template, Observer, State, Composite, Chain of Responsibility, Proxy Adapter, Factory, Builder, Singleton

SDLC: Agile/Scrum, Iterative, Waterfall

Tools and Platforms: Git, GitLab, GitHub, VSCode, JIRA, Jenkins, Docker, IntelliJ, JWT, Maven, Postman

Logging and Monitoring: Grafana, Splunk, Prometheus, Micrometer, SonarQube

OS Platforms: Windows, Linux, MacOS

PROFESSIONAL EXPERIENCE

Software Engineer

Commercial Bank of Ethiopia

November 2021 – December 2022

Addis Ababa, Ethiopia

- Engineered and rebuilt our Internal Staff Loan Management System web app using Java, Spring Boot, React, and microservice architecture. Used Hibernate and PostgreSQL for data storage for local prod.
- Implemented a couple of microservice services using Java, Spring Boot, and Docker and leveraged AWS ECS, AWS EC2, Lambda, API Gateway, IAM, and Cloud Watch to deploy and deliver resilient backend functionality.
- Implemented the management dashboard, interfaces and components for the loan management system using Angular, ensuring an optimal user experience.
- Used AWS S3 for cloud storage on an image-intensive web service, leading to a faster time to first byte and reduced storage on our on-prem servers.
- Created react components for the users, using Forms, Events, Keys, Router, Redux, and Flux.
- Participated in code reviews and developed and maintained unit test suite using JUnit to ensure code quality with high coverage.
- Collaborated with cross-functional teams devops and the networking department, to automate CI/CD with static code analysis workflow, monitor health and logs and optimize application performance and scalability.

Technologies Used: Java, Spring Boot, Hibernate, JUnit, Mockito, Docker, Kubernetes, JavaScript, TypeScript, React, Redux, Angular, AWS ECS, EC2, Lambda, DynamoDB, S3, VS Code, Swagger, Postman, Maven, Jenkins, PostgreSQL, Mongo, Git, GitHub, GitLab, Jira, Kafka

Back End Developer**Mn Ale Addis****August 2017 – October 2021****Addis Ababa, Ethiopia**

- Developed a comprehensive event ticketing web application using Spring Boot, React, and database MySQL. Including user authentication, and authorization for the security of accounts using JWT.
- Managed state in our react frontend, using both local component state and external state management library redux to handle state logic.
- Ensured the reliability of our event ticketing platform through thorough unit, integration, and functional testing, creating comprehensive test cases, test scenarios, and detailed test logs by using Junit, Mockito, Jest, and Cypress, leading to a 30% decrease in post-release defects.
- Conducted routine performance tuning, optimization, and code reviews, resulting in a 40% reduction in application response times.
- Participated actively in Agile development ceremonies, contributing to standups, retros, and board meetings, and generating insightful reports on development processes.
- Conducted comprehensive software testing for the back and front-end using JUnit, Mockito, Jest, and REST Assured, to get 90%+ code coverage and ensure bug-free software and faster performance.
- Designed and developed a responsive user-friendly, data-driven ticketing system that led to an impressive 75% improvement in customer retention.

Technologies Used: Java, Spring Boot, Maven, JavaScript, React, Bootstrap, Material UI, Git, VS Code, REST Assured, Redux, MobX Node, MySQL, Git, GitHub, Hibernate, JPA, Spring Security, Selenium, Trello

EDUCATION**Master of Science in Computer Science**

Maharishi International University, Fairfield, Iowa, USA

In progress via distance education; expected completion 10/2025

Bachelors in Information Technology

Addis Ababa Institute of Technology, Addis Ababa, Ethiopia