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## **EXPERIENCED JAVA DEVELOPER | SOFTWARE ENGINEER**

Proficient Java developer and Software engineering with 5 years of professional experience developing enterprise-level web and desktop applications. Hands-on experience Java, Spring Boot, Spring, Python, Django, Flask, Javascript, ReactJS, AngularJS, NodeJS and Hibernate to ensure outstanding back end and front-end performance with the agile methodology team collaboration. Implemented several projects through complete Software Development Lifecycle using advanced frameworks, web services and design patterns. I am on my way completing on Maharishi International University on campus course in Master Computer Science.

### **KEY SKILLS**

**Languages:** Java, JavaScript, Python

**Web:** NodeJS, AJAX, JQuery, JSP, Servlets, Bootstrap, Enterprise Java Beans, HTML5, CSS3

**Web Services:** RESTFUL, SOAP

**Web/Application Servers:** Apache Tomcat, Glassfish, JBoss Enterprise Application Platform

**Frameworks:** Spring (Spring MVC, Spring Web flow, Spring Security, Spring AOP, Spring Boot, Microservices), Hibernate, JPA, React, Angular, ExpressJS

**Databases:** Mongo DB, MYSQL, MS Access, Oracle, MS SQL Server, JDBC

**Design Patterns:** Observer, Command, Bridge, Chain of responsibility, Factory Pattern, Abstract Factory Pattern, Prototype, Proxy, Singleton

**SDLC:** Agile/Scrum, Waterfall Model

**Tools:** StarUML, Enterprise Architect, Eclipse IDE, Spring Tool Suite, JIRA, NetBeans, MS Visual Studio, Postman, Github, Maven, Jenkins, SVN

**Platforms:** Microsoft Windows, OSX, Unix, Linux, Windows Server

## **PROFESSIONAL EXPERIENCE**

### **HEARAN ENTERPRISE , KENYA NAIROBI March 2019 - Feb 2022**

#### **SOFTWARE DEVELOPER**

- Worked on building all in one monitoring system for applications and infrastructure.
- Designed and developed microservice applications using restful web service with spring boot
- Designed and developed client-side application
- Worked with Dockers, ECS, EC2, Lambda, S3
- Worked with monitoring tools new Relic and Data dog
- Responsible for managing application data base
- Worked on Agile Methodology

### **LIYA ENTERPRISE , Asmara, Eritrea Jan 2017- Dec 2018**

#### **SOFTWARE DEVELOPER**

Played key role in designing software, modules, and custom frameworks to support operations of diverse organizations and Collaborated with cross-functional IT teams and implemented proven technologies to develop numerous software products while insuring scalability, reusability, and reliability with Agile / Scrum and Waterfall methods.

- Participated in a software development team in charge of development, testing and maintenance of a software project.
- Introduced new features and modules in addition to optimizing existing code and database schema via query information.
- Developed TDD-based enterprise applications using RESTful web services.
- Used spring cloud to develop highly scalable applications using microservices architecture.
- Applied AOP and IoC features of Spring framework and JPA/Hibernate for ORM
- Participated in generating and analyzing project requirements and translating it into technical specifications.

**Technologies:** Java , Spring MVC, Hibernate ORM with JPA, Spring Security, RESTful API, MYSQL ,JUNIT ,AJAX, JSP, HTML, CSS, JAVASCRIPT , DOCKER .

**Tools:** GitHub, STS Eclipse, UML Star, Junit, MySQL Workbench, Tomcat server, JIRA, Enterprise Architect.

## **ASMARA TECHNICAL SCHOOL, Asmara, Eritrea Feb 2016- Dec 2016**

### **Focused on application development**

#### **Software Developer**

Performed role of a system analyst, designer and programmer on several projects including school scheduling system, Point of sales and Inventory tracker.

#### **Job Portal:**

- A web application to connect employers with employees; employers post job requirements for a position searchable by keyword and locations.
- Created using Spring, Hibernate and MySQL.
- Participated in Agile daily Scrum meeting and worked with product owner to identify priorities.
- Tested the modules using JUnit and Mockito.
- Used Maven to build the modules, Jenkins and Git as code repository.
- Technologies: JSP, HTML, CSS, JavaScript, bootstrap, AJAX, Spring MVC, tiles, Hibernate ORM with JPA, Spring Security, Restful API. Tools: GitHub, STS Eclipse, UML Star, Junit, MySQL Workbench, Tomcat server.

## **PROJECTS**

### **BlueCollarApp using Spring Boot (MVC) (Oct-2022):**

BlueCollar Application is an app where blue collar workers such as Plumbers, Electricians, Welders, Painters, Carpenters, Gardeners, Masons can register themselves, get their credentials verified and then get listed onto the platform for potential clients to hire them. Users(clients) who need the services such as plumbing, electrical installation, welding or painting log into the application and get to choose the preferred worker according to their preference.

**Technologies Used:** Spring boot , Thymeleaf , Spring Security , JWT authentication and authorization, Docker

**Languages used :** HTML , CSS , JAVASCRIPT , JAVA

### **Batch Processing (Sep-2022):**

Implement a Restful service allowing an admin to trigger a batch job. The batch job , reads a CSV file and writes its contents into Mysql DB after performing some conversion.

**Technology used:** Spring boot , Spring MVC/Restful, Spring Security ,(JWT) , Spring Batch , MySQL, ORMDocker , Docker Compose.

**Languages used :** HTML , CSS , JAVASCRIPT , JAVA

### **E-store Business (Sep-2022):**

We need to keep track of available Units. This is to prevent users from placing orders on out of stock items. Whenever an item count falls below (some configurable threshold e.g. 50 ) -> we notify Stock back end so they can add more units to our stock .User can place orders , each order can have one or more products.User can specify more than one unit of an item (e.g. 3 T-shirts). An Order can use the preferred shipping info of the account, or can be different if the user wants to Similarly the order must have a payment method , which could be the preferred type or different if the user wants to Only one payment method is allowed per order.

**Technology used:** implement service discovery,config based payment routing and secret management , JWT for client and service key .

**Languages used :** JAVA

**Stock management system(Aug 2022) :** Create a system which keeps track of stocks and customers. The system is secured by a username and a password. When a user logs in, they can view the current companies on the market as well as the amount of stocks they have available for sale, the user can also view the stocks they have purchased. When a different user logs in they should be able to view their own version of the program. The user can log out at any time. A user can choose to buy any number of available stocks if they have enough balance to do so, at which point those stocks should not be available for purchase for other users. At any point the user is able to flag their stocks as available for sale and set a price for them, at which point they would show up for other users to buy. When a user purchases or successfully sells stocks, their balance should reflect that transaction.

**Technology used :** Java Swing

**Languages used :** JAVA

### **EDUCATION**

**Master of Science in Computer Science (Graduation in progress)**

**Maharishi International University , Fairfield, Iowa 2022**

***Key Courses:*** *Fundamental Programming Practices, Modern Programming Practices, Web Application Programming, Enterprise Architecture , Software Engineering ,Software Arithecture*

**Certificate of Software Development**

Moringa School ,Nairobi, Kenya 2021

**Bachelor of Science in Computer Engineering**

Eritrea Institute of Technology, Mai Nefhi, Eritrea 2017