**Eason xxxx**

**Java Developer**

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**SUMMARY:**

* 7+ years of experience in software design, development, implementation, and testing of back-end **Java/J2EE** applications with strong knowledge of **Object Oriented Programming.**
* Deep understanding in Core Java concepts including **Collection framework, Multi-Threading, Exception Handling**, along with **Java 8** new features including **Lambda expression, Default&Static method**, and **Stream operations,** etc.
* Experience in **Object Oriented Design (OOD).** Familiar with Java **Design Patterns** such as **Singleton, Factory, Observer**, etc.
* Strong knowledge and practical experience in developing **Server Side Programming** for large projects using **J2EE** technologies such as **Spring Boot, JDBC, Spring Data JPA, Spring Security**, and **Hibernate**, etc.
* Expertise in developing and implementing **RESTful API** using **Spring MVC, Spring IOC,** and **Spring AOP,** etc.
* Expertise in **MicroService** architecture. Strong hands-on experience with tools such as **Eureka, Hystrix, Zuul Gateway,** **Ribbon, Kafka,** etc.
* Familiar with database management system such as **MySQL, SQL Server**, and **MongoDB**.
* Knowledge of RDBMS concepts including writing **Queries, Functions, Triggers, Stored Procedures**. Hands-on experience in writing **SQL**.
* Experience in **Scrum** model of **Agile** methodology and **Software Development Life Cycle** (SDLC) of business applications.
* Experience in using project management and comprehension tools in software development such as **Git** and **Maven**.
* Familiar with web applications servers such as **Apache Tomcat**.
* Familiar with **Unix/Linux** environment.
* Familiar with **CI/CD** pipeline and **Jenkins** script for CI/CD automation.
* Involved in unit testing using **Junit** and **Mockito** for backend.
* Involved in automation testing using **Cucumber**.
* Experience in search engine such as **Elasticsearch**.
* Experience in creating various **Docker** **images**, using **Docker** containers to encapsulate projects and deploying different servers on **AWS EC2** machine.
* Knowledge of Amazon EC2. Experience with AWS services such as **EC2, Security Groups**.
* Acting as a great team player with strong passion for learning new technologies.

**Technical Skills:**

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| Programming Languages | Java, SQL, Python, C, C# |
| J2EE Technologies | Spring IOC, Spring AOP, Spring MVC, Servlet, JDBC |
| Java Framework Tools | Spring, Spring Boot, Spring Security, SpringData JPA, Hibernate, Kafka, Eureka, Zuul Gateway, Hystrix, Ribbon, SpringCloud Bus, Spring JDBC, Elasticsearch |
| Database | MySQL, SQL Server, Oracle, H2 |
| Application Servers | Apache Tomcat Server |
| Testing/Control Tools | JUnit, Git, Maven, Postman |

**Professional Experience:**

**Shutterfly -** **Washington, DC Feb 2019 - Present**

**Role: Java Developer**

**Project Description: CPADS(Customized Photo Albums Decoration System)**

CPADS is about customizing and managing user’s photo albums on Shutterfly’s website using **Micro Service** Architecture. Users can register their own user accounts and login their accounts using email address and password. They can choose any design style that we have provided and upload their own photos to create personalized photo gifts such as photo books, wall art, etc. The whole system keeps the record of all user history so that users can easily manage their photo albums and orders. This project is involved with Spring Boot, Spring Cloud and Spring Data JPA.

**Responsibilities:**

* Applied **Spring Boot** to develop the **RESTful** **Controller** and **Service** layer to handle the customer requests.
* Designed and Implemented **Data Access Object (DAO)**. Use **Spring Data JPA** to develop **JpaRespository** for accessing the database to create, remove, update and read the data.
* Familiarized with design patterns like **Inversion of Control** along with **Dependency Injection**.
* Improved system stability, flexibility and scalability using **Eureka, Feign** and **Zuul API gateway** to register, discover services.
* Established dynamic configuration updates for multiple services simultaneously using **SpringCloud Bus** and **Kafka** to push and broadcast updates.
* Applied **Spring Validation** framework to validate the parameters passed from the front end.
* Used Core Java technologies, such as **Exception Handling, IO** and etc.
* Used **Maven** for the dependencies management, build process and packaging independent Spring Boot projects.
* Used **Postman** to send HTTP requests and test our microservices.
* Applied **Elasticsearch** to collect, search, and visualize logging information.
* Created **Docker** **containers** from customized **Docker images** by using **Dockerfile** and **Docker Hub**.
* Used Docker containersto encapsulate **Maven** packages and run microservices on multiple **AWS EC2 machines**.
* Experienced in setting up **Amazon EC2 cloud instances** and configured Inbound/Outbound in AWS **Security groups**.

**Environment:** Intellij, Java 8, Spring Boot, GIT, Maven, Spring Data JPA, MySQL, Docker, AWS

**HungryPanda - Seattle, WA Jan 2017 - Feb 2019**

**Role: Java Developer**

**Project Description: Food Delivery Website**

Participated in designing and implementing new food features on HungryPanda website. It would ask users to add their addresses and find the closest restaurant nearby. This client-oriented application allows restaurant owners to update food pictures and descriptions, receive notification when customers replace orders, set daily sales food and other related functionalities.

**Responsibilities:**

* Involved in **Software development life cycle (SDLC)** using **Scrum** Model in Agile Methodology.
* Used **Github** as the version control tool to manage all private repositories and configurations.
* Applied **Spring Boot, Spring Data JPA** and **RESTful API**. Built restaurant and food features by designing related models and controllers classes.
* Applied **Spring** framework (**Spring IOC**) to inject java bean to each layers of the application.
* Object-Oriented programming with different kinds of Data Structures, **Collections** and **Multi-threading.**
* Designed program structure with Java Design Pattern such as **Singleton, Factory** and **Observer** pattern etc.
* Created custom **exception** classes to display appropriate error messages.
* Designed and Implemented **Data Access Object (DAO)**.
* Wrote **SQL** queries for updating data into **MySQL** database.
* Used **Maven** to maintain the dependencies in pom.xml files.
* Created **Docker containers** from customized Docker images and deployed various microservices on **AWS EC2** Machine.
* Used Junit for the Unit test.

**Environment: Eclipse, Java 8, MySQL, Docker, Spring Boot, Maven, AWS, JUnit, Github**

**Maersk - Charlotte, NC Feb 2014 - Jan 2017**

**Role: Java Developer**

**Project Description: Employee Information Management System**

This project is an internal management system which is used to record and update employee’s information. Every employee of Maersk has a unique account and they can login his/her account anytime to check or update information. This is an important tools for the HR department to manage employee records, work history, and other important employee data.

**Responsibilities:**

* Participated in the team cooperation with **Agile** developing cycle.
* Designed and Implemented **Data Access Object(DAO).**
* Used **Hibernate** framework for data persistence, also used Hibernate Annotation to connect each entity.
* Applied **Hibernate Template** to perform CRUD operations in MySQL database.
* Involved in Module layer, View layer, Service layer to implement the **MVC** module.
* Developed service layer, developed different methods to handle requests.
* Helped design the front end of the project using **HTML, CSS, JavaScript, JQuery**.
* Implemented business logic and new features using core concepts of Java like **Interfaces, Abstract Classes, Collections** and **Exception Handling**.
* Developed several Servlets and filters to handle each request.
* Developed Unit Test by using **Junit** to test the business logics.

**Environment:** Eclipse, J2EE, Spring MVC, Hibernate, JavaScript, JQuery, HTML, CSS, JUnit, SQL, XML

**Education:**

**XXXX University – New Brunswick New Brunswick, NJ**

Bachelor of Science in Computer Science