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**Joowon Kim**

**Java Developer**

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**715-497-7762**

* Extensive experience in using Java/J2EE technologies like **Spring**, **Hibernate** ORM, **JDBC**, **Servlets**, **JSP** for developing web applications.
* Developed several web applications using Spring frameworks like **Spring Boot** & **Spring MVC** and used several modules like Spring IOC, Spring Core, Spring AOP, **Spring Cloud**.
* Experience in designing and developing **Micro Services** business components using Spring Cloud and Spring Boot.
* Worked on **Hibernate** in Spring projects for persistence layer.
* Experience applying Java Messaging Service (**JMS)** for reliable information exchange across Java applications.
* Experience in **Java-8** features like Lambda expressions, Stream API, Optional interface.
* Experience in working with **Angular5** component based MVC framework and HTML5, CSS3, Bootstrap, JavaScript, jQuery technologies on front end.
* Used **Maven** as the build tool and **Github** as the version control.
* Worked with **J2EE Design patterns** like Singleton, DAO, Factory, MVC, Adapter, front controller pattern etc.,
* Used **Mockito** to develop test cases for Java bean components.
* Experience in **RDBMS** such as **Oracle** **12c**/**11g**, **MySQL** Server.

**Professional Experience**

# **Client: Ebay–San Jose, CA                            Nov 2018-Present**

**Role:  Java Developer**

# **Project: ebaySell**

**Description:**

eBay Inc. is a multinational e-commerce corporation, facilitating online consumer-to-consumer and business-to-consumer sales. The

**Responsibilities:**

* Developed eBaySell application using **microservices** API for independent and Autonomous management by Using Decomposition pattern.
* Developed **Search service** and **New Listing** microservices of **eBaySell** application using Spring Cloud API.
* Implemented **Hystrix** fallback method to handle the network or data exceptions.
* Implemented **Spring modules** like Controller, DI/IOC, Autowiring, AOP and AspectJ.
* Used optimistic locking mechanism feature of Hibernate, pagination, filtering, join fetch and spring data for creating few repositories. Flyway as the database migration tool.
* Consumed messages from JMS-Message driven beans and **ActiveMQ**. Integrated Active MQ services with Beans.
* Developed Coordinator Service for monitor the performance of Microservices using **Sleuth-Zipkin**.
* Used **Zuul** as the API gateway**, Ribbon** for load balancing and **Configuration Server** to manage the configurations for my microservices.
* Used **Spring Data JPA** to manage transaction with the database.
* Involved in doing unit testing and writing test cases using **Junit** and **Mockito** Framework.

**Environment**: Java 8, Spring Boot, Spring Data, Microservices, STS, Oracle 12c, Junit, Log4J, MAVEN, Jenkins, Jira, Logback, Mockito, Flyway and Lombok

**Client: MicroCenter - Hilliard, OH Sep 2017-Oct 2018**

**Role: Java Developer**

**Project: shopMicro**

**Description:**

Microcenter is an online retailer of items including computer hardware and consumer electronics. It gives excellent deals at a lowest price, easy reorder option for customers. It is a one stop application where you can get the best products at the best price.

**Responsibilities:**

* Developed RESTful web services for **shopMicro** application using **Spring Boot.**
* Worked on **Shopping cart, Login and Registration modules** of **shopMicro.**
* Used **Spring Boot Actuator** to monitor the health of the application and **Spring Transactions** for managing transactions.
* Used **Spring Scheduler** to send order notifications.
* Worked on login, register components and consumed web services for the same using **Angular 5**.
* Used **Mockito** & **Junit** test frameworks to write extensive test cases.
* Used **Maven** for build and Github for source control.

**Environment:**

Spring AOP, Spring Boot, Spring DATA JPA, RESTful web services, Angular5, Node.js, Github, JUNIT, Oracle 12c, STS, Jira

**Client: Goto Bus - Cambridge, MA  Sep 2016 – Aug2017 Role:  Java Developer**

**Project: GotoBus**

**Description:**

The Gotobus website provides travel products and services, such as inter-city bus tickets, sightseeing tours and hotel accommodations to those traveling among destinations in both North America and Europe.

**Responsibilities:**

* Implemented **RESTful** web services architecture for **GotoBus** portal using **Spring Boot.**
* Developed several restful web services such as **Bus search**, **Bus booking**.
* Used **Spring** for cross cutting concerns and IOC for dependency injection.
* Used **Hibernate Statistics, Inheritance, Association, pagination, named queries, criteria, hql, caching, locking** features in these modules.
* Worked with **Hibernate Annotation** as an ORM tool and defined the mapping and relationship of each table in **Oracle 12c** database.
* Wrote extensive test cases using **Junit** and used **Maven** for build.
* Used Apache **Log4J** logging utility for debugging and tracking.

**Environment**: Java 8, J2EE, Spring Boot, Hibernate, Oracle 12c, Log4J, Junit, MAVEN, GitHub, Eclipse IDE

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| **Client: 9Flats Co Ltd., Gwangju, South Korea Oct 2015- Aug 2016**  **Role: Java developer**  **Project: 9Flats** |

**Description:**

**9Flats** is a Real Estate Property management application that enables its property members to make rental reservations online. It enables its members to easily search and book for rental houses with their desktop and also has secure payment processing. It also enables certain property holders to list their property for sale.

**Responsibilities:**

* Used **Spring MVC** for developing **Property Search module** and **Rental** module of **9Flats**.
* Developed **Hibernate DAO** Accessor Classes using Spring Hibernate Template.
* Worked with **Hibernate ORM** (Object Relational Mapping) framework to map Java objects to Oracle Database tables and used the mapping definitions for persistence.
* Used **JavaScript** and **spring validator** for client and server-side validations.
* Used **Log4J** for configuration and customization of logs
* Developed pages using **JSP**, AJAX, and HTML5.0, jQuery on the presentation layer.

**Environment:** Java 7/ J2EE, Spring MVC, Spring IOC, Hibernate, JSP, JavaScript, XML, JUnit, Apache Tomcat Server, Oracle 11g, Eclipse, Log4j, Jira.

**Client: Chung Pyeong Armed Forces Hospital, South Korea Dec 2014- Sep 2015**

**Role:  JAVA Developer**

**Project: cPanel**

**Description:**

**cPanel** is Chung Pyeong’sHealth and wellness portal application used by hospital staffs. Using this portal users will be able to view their medical records, make appointment and manage their profile. The application was developed using Java/J2EE.

**Responsibilities:**

* Created **UML** diagrams like class, activity and sequence diagrams.
* Used **Servlets** and **Jsp** to work on **User Management** Module of the **cPanel** application which is used by Super Admin user and **Profile management** module which is used by individual users.
* Performed **Ajax** call for User management module and extensively worked on forms and form validation.
* Used **JDBC** for database connectivity and queried database.
* Wrote unit test cases using **Junit** framework.

**Environment:** Java 7, JSP, Servlets, JavaScript, jQuery, JUnit, Apache Tomcat Server,Eclipse

**Education**

**University of Minnesota, Minneapolis**

Bachelor of Computer Science