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| **Java Developer**  **Phone: +1-757-707-7568**  **Email:yliu40@email.wm.edu** |  |

Yifang

**SUMMARY**

* Software professional with extensive Web Application Development experience using Java/J2EE related technologies.
* Worked extensively with **Spring Boot** for developing **Microservices**.
* Experience in developing cloud-based applications using **Spring Cloud** and **Amazon Web Services** (AWS).
* Experience working with several Spring modules like Spring MVC, Internationalization, Spring IOC, Spring AOP, Spring Data, Spring ORM, Spring Transaction.
* Worked on **Hibernate** Framework, various modules like caching, HQL, criteria, join fetch, locking, pagination, association and inheritance mapping, soft delete.
* Experience in JMSusing ActiveMQ for asynchronous communication.
* Hands on experience using **Apache Camel** integration framework.
* Experience working with**Angular5** JavaScript framework creating Components, Services, Modules and working with Routing.
* Used Mockito, Spring testing framework to develop test cases for various modules.
* Experience in RDBMS such as Oracle12c/11g, MySQL server.
* Worked with several servers like Apache Tomcat and GlassFish for deploying Java web applications.
* Used **Java 8** API features like Lambda expressions, Stream API, Optional interface.

**SKILLS**

**Programming Languages**: Java,Python,PHP,C++

**Web Technologies**: HTML5, XML, CSS3, JavaScript, jQuery, Angular 5, Typescript

**J2EE Technologies/Frameworks**: JSP, Servlets, Spring, Spring MVC, Spring Boot, Spring Security, Spring Cloud, Spring IOC, Spring DAO,Hibernate, Apache Camel

**Databases**: Oracle 11g/12c, MySQL

**Application Servers**: Apache Tomcat, GlassFish

**Version Control Tools**: Git

**Build Tools**: Maven, Docker

**Testing Tools**: jUnit, Jenkins, Mockito

**OS**: Windows XP- 10, Linux

**IDE**: Eclipse, Intellij, NetBeans

**PROJECTS**

**Urgent.ly, – McLean, VAOct 2017- Present**

**( Java/J2ee Developer)**

**Project: CaseManagerServices**

**Project Description:**

Urgent.ly is America’s leading on-demand roadside assistance service.   They offer transparent service with clear, flat-rate pricing, cashless payment, and reliable help for motorists. The project was to implement a web application where users can request roadside assistance using their current location in need of a tow, tire change, fuel delivery, jump start or lock-out service.

**Technologies used:**

J2EE, Spring Boot, Spring Security, Hibernate, Restful Web services, Jenkins, Oracle 12 c, Angular 5, Typescript, Angular CLI, Node.js, npm, HTML5, CSS3, Bootstrap, Github, Jira, Eclipse.

**Responsibilities:**

* Developed various Microservices using **Spring Boot**, **Hibernate** and Restful web services technologies.
* Developed Case Search Service which tracks the case job details and gave response to the Case Manager Service.
* Developed Customer Payment Info Service which retrieved and stored the client’s payment information from Case Manager Service.
* Implemented**Hystrix**fallback method to handle the network or data exceptions.
* Implemented Spring modules like Controller, DI/IOC, Autowiring, Spring security, AOP and AspectJ.
* Consumed messages from JMS-Message driven beans and Active MQ. Integrated **Active MQ** services with Beans.
* Developed Coordinator Service for monitor the performance of Microservices using **Sleuth-Zipkin.**
* Worked with **Hibernate** template for performing DML operations with the database.
* Used Hibernate modules like Bidirectional mapping, pagination, criteria API, dynamic inserts and updates, filtering, join-fetch, locking.
* Created and validated forms extensively using**Reactive approach**of Angular 5.
* Effectively used **Routes and Guards**concepts to build the single page application and used NGRX library for state management system.
* Followed **Test Driven development** approach during development.
* Involved in doing unit testing and writing test cases using **Junit** and **Mockito Framework**.

**PNC Financial Bank, Chicago, IL Aug 2016 –Sep2017**

**(Java Developer)**

**Project: Comprehensive Capital Analysis and Review(CCAR)**

**Description:**

This project CCAR is a loan processing application and highly used as a part of mortgage loans. This web application is highly helpful to manage user accounts so as to create, view, track and modify customers' loans. CCAR also has functionalities that enables its customers handle loan processing information, account transfers, disbursement services, balance reporting, Wire transfer and client services. It's easy to initiate transactions, review account information and accelerate your cash postings.

**Technologies used:**

Java 7, J2EE, Spring Boot, Spring Cloud, Hibernate, Apache Camel, AWS, Microservices, XML, JUnit, Jenkins, Docker, Oracle 12c, PL/SQL, Github, Eclipse.

**Responsibilities:**

* Responsible for analysis, design, implementation and deployment of full software development life-cycle of the project.
* Implemented **Microservices** for Account Management, Profile Management, Asset Management using Spring Boot, **Spring Cloud** and **AWS services**.
* Worked on Authentication and Authorization using **Spring security** in **CCAR**.
* Used **Apache Camel** for integrating several Microservices.
* Implemented Persistence layer using **Hibernate** to interact with the Oracle database.
* Implemented various **MessageConverters** for converting POJO to our custom response.
* Responsible for developing unit tests using **Junit**.
* Deployed the services on testing environment using **Docker**.
* Used **Jenkins** for continuous build and deployment of the code to the servers.
* Implemented **Log4J** for Logging Errors, debugging and tracking.

**SkyScanner, Plano, TXOct 2015 - July 2016**

**(Java Developer)**

**Project:SkyHop**

**Project Description:**

SkyHop is a web application built to book tickets easily with easy user experience. The application offers an excellent filter options which helps travelers to choose flights based on their needs and offers flexible travel date booking. It offers unique graphic display of results in a user-friendly way with a fare email alert.

**Technologies used:**

J2EE, Spring MVC, Spring AOP, Hibernate, Active MQ, AJAX, XML, jQuery, JavaScript, HTML5, CSS3, Github, Maven, Jira, Oracle 12c, Apache Tomcat, NetBeans.

**Responsibilities:**

* Developed the application by implementing **MVC Architecture** by integrating **Hibernate** and **Spring** frameworks.
* Worked on Login/Logout, Registration modules of SkyHop online ticket booking system using **Spring MVC.**
* Implemented **Internationalization** for SkyHop using spring libraries.
* Implemented **Spring AOP** to manage transactions, logs and exceptions.
* Developed pages for Login/Logout, Registration, Search functionality modules of iTravel using **JSP**, **HTML5**, **CSS3, Jquery**.
* Using Spring MVC **Exception Handler** and Controller Advice for exception handling
* Using **Maven** for building and **Jenkins** for deployment on different environments.
* Worked in Agile Environment and used **Jira** as project management tool.

**Chengsiyuan Co Ltd, Bengbu, ChinaOct 2014- Sep 2015**

**(Java/J2EE Developer)**

**Project: YonShop**

**Description:**

YonShop, offer a comprehensive range of Digital products and services with a vision to be a dominant player in the online stores. YonShop works on b2c model with core competence on brands, quality products, best deals, widest range of digital products services to its customers. The project was to build a web application that enables users to make their shopping experience easy and hassle free.

**Technologies used**:

Java 7, Spring MVC, Hibernate, Restful web services, JSP, HTML5, CSS3, Bootstrap, jQuery, Javascript, AJAX, Junit, Oracle12c, Jira, Github, LOG4J, Eclipse.

**Responsibilities:**

* Developed Yonshop application in a Model-View-Controller (MVC) pattern using **Spring MVC, Hibernate frameworks**.
* Developed Review module of YonShop for maintaining customer reviews about their recent purchase using Spring MVC.
* Implemented **Hibernate pagination** mechanism using criteria API in **Yonshop** to scroll through large set of products in their portals.
* Extensively used Hibernate in **Data Access Object** persistence layer to access and update information in the database.
* Used **JSP**, **HTML5,CSS3** and jQuery for client-side validations for building YonShop portal .
* Used **Maven** as a build tool, run different phases and manipulate them according to requirements.
* Used **JIRA** as project management tool and Github for code repository and version control.

**Shanda Dareway Software Co Ltd, Jinan, China Nov 2013 –Sep2014**

**(Java/J2EE Developer)**

**Project: FoodZap**

**Description:**

Foo dZap is a leading web application for restaurant management in China. It is a popular point of sale system for restaurants that also includes an online ordering system. The whole system is meant to work together to help restaurants manage all of their operations in one system, to even include online order reports and delivery systems

**Environment:** Java, J2EE, Servlet, JSP, JDBC, JavaScript, AJAX, jQuery, HTML, CSS, JUNIT, XML, Mysql, Maven, Log 4J, GlassFish, Github, Eclipse.

**Responsibilities:**

* Created UML analysis models such as Activity diagram, State diagram, Sequence diagrams.
* Worked on some of the **FoodZap** modules such as order placing and bill generation modules using **Servlets** and **JSP**.
* Worked with **AJAX** technology utilizing **jQuery** library to perform partial page updates.
* Used several **jQuery Effects** to perform some animations on the FoodZap web pages.
* Involved in creating and extracting data from database using **SQL Queries** on **MySQL** database.
* Used **Log4J** for configuration and customization of logs.
* Used Github as the Version Control Tool.

**EDUCATION**

**College of William and Mary, Virginia**

Master of Science in Computer Science