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| **Java Developer**  **312-478-7358 zeng.paul.28@gmail.com** |  |

Paul Zeng

**SUMMARY**

* Involved in Analysis, Design, Coding of web based and client server multi-tier applications using Java/J2EE technologies.
* Experience in working with several Spring modules like **Spring MVC, Spring IOC, Spring AOP, Spring Data JPA.**
* Developed **Microservices** using **Spring Boot** and **Spring Cloud** using **Netflix API**
* Experience in Persistence Framework like **Hibernate** ORM used for n-tier architecture.
* Experience working with asynchronous messaging queue using **RabbitMQ**
* Used **Angular5,** JavaScript framework for creating Single Page applications.
* Extensively tested applications using **Mockito** and **Junit** on the backend and **Jasmine** and **Karma** on the Frontend.
* Experience in Spring Security framework, implemented Customized **User and Authority** tables**.**
* Worked on various **Design patterns** like Singleton, Façade, Proxy, Factory design patterns.
* Used **Java 8** API features like Lambda expressions, Stream API, Optional interface.

**SKILLS**

**Programming Languages**: Java8/7

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

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

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

**Application Servers**: Apache Tomcat

**Version Control Tools**: Git

**Build Tools**: Maven, Gradle

**Testing Tools**: Junit, Jenkins, Mockito

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

**IDE**: Eclipse, IntelliJ, NetBeans, STS

**PROJECTS**

**Home Depot Inc – Dallas, TX May 2018- Present**

**(Java/J2ee Developer)**

**Project: myTHDHR**

**Project Description:**

myTHDHR application is widely used by Home Depot associates which has a multitude of features, allowing them to manage their schedule online, access benefits and retirement plans, paystubs, attendance, W-2s, and more.

**Technologies used:**

Spring Boot, Spring Cloud, Microservice, Spring Security, AMQP, Restful Web services, Jenkins,

Oracle 11g, Git, NetBeans.

**Responsibilities:**

* Migrated from **monolithic** architecture to **microservices** based API service for independent and Autonomous management by Using Decomposition pattern.
* Used **Spring Boot, Spring Cloud (Feign, Ribbon, Eureka)** and Spring Data JPA to develop the application Service.
* Developed **Kronos** (**Time-Attendance**) service and Employee-Self Service (ESS’s **Review Leave of Absence**) microservices of **myTHDHR** Application using **Spring Cloud API.**
* Used **Eureka** for load balancing and Spring **Configuration server** for Externalization/Centralization of microservice property setting in Git repository.
* Used **Spring Data JPA** to manage transaction in Employee-Attendance Table for Leave and Attendance Service.
* Implemented the Spring Security to **Authenticate** the Employee and also implementedRoleBased **Authorization** by overriding SpringFramework’s **UserDetailService** to provide CustomAuthentication/Authorization **(EMP-User/EMP-AUTH)** Tables**.**
* Used **keytool** for **Self-Signed Digital Certificate** for Payslip related secured data through network.
* Implemented **RabbitMQ** as Producer/consumerfor AMQP asynchronous messagingbetween different microservice
* Worked on the client side using **Angular5** framework components, services, directives and tested using **Jasmine** and **Karma** test runner.
* Utilized **Reactive approach** for developing forms and configured router paths for attendance and leave modules.
* Used **Mockito** and **Junit** for testing

**Hobby Lobby - Oklahoma City, OK April 2017 – May 2018**

**(Java Developer)**

**Project: HobbyLobby**

**Project Description:**

Hobby Lobby Stores, Inc., formerly called Hobby Lobby Creative Centers, is a private for-profit corporation which owns a chain of American arts and crafts stores that are managed by corporate employees.

**Technologies used:**

Java 8, J2EE, Spring Boot, Spring Cloud, Hibernate, Microservices, Angular CLI, Typescript, XML, JUnit, Jenkins, Oracle 12c, PL/SQL, GitHub, STS.

**Responsibilities:**

* Responsible for analysis, design and development of different Micro services API
* Implemented **Microservices** for Order Service, and Search Service using **Spring Boot**.
* Used Spring Cloud **Eureka** for load balancing of Order service API
* Used Spring Data **JPA** to maintain customer’s cart inventory management.

* Used **RabbitMQ** for messaging Service to communicate between Order and Search database schema.
* Used **Spring Cloud** **Feign** for interservice communication.
* Used **Angular4** on the front end implementing smart and dumb components, shared /feature module architecture.
* Used **Jenkins** for continuous build and deployment of the code to the servers.
* Implemented **Log4J** for centralized Logging Errors, debugging and tracking.

**Wellcare Group – Orlando, FL Aug 2016 – April 2017**

**(Java Developer)**

**Project: iCare**

**Project Description:**

**Wellcare Group** provides high-quality health plans. The Application iCare involves the design and development of a Web based internet application to provide online insurance services by shopping health plans, finding providers in-network, out of network and member services such as managing account and bill payment. The application also allows employers to buy health plans for them at a lower cost.

**Technologies used:**

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

**Responsibilities:**

* Worked in **Agile Methodology** (Scrum) and met deadlines with quality deliverables.
* Developed the application by implementing MVC Architecture by integrating **Hibernate** and **Spring frameworks.**
* Worked on **Health plans, Providers modules** of **iCare** online insurance system using Spring MVC.
* Used Spring MVC Exception Handler and Controller Advice for exception handling.
* Leveraged Inversion of Control, Dependency Injection feature and used Spring AOP Framework features.
* Created Hibernate mapping files, sessions, transactions, Query and Criteria's to fetch the data like health plans, network providers, Payment history from SQL based schema.
* Made asynchronous calls using AJAX and, on the frontend, used JSP, HTML5, CSS3, jQuery for Health plans, Providers modules.
* Used Maven as build tool and Jenkins for deployment on different environments.

**Eleme Inc - Tianjin, China July 2015- July 2016**

**(Java/J2EE Developer)**

**Project: ele.me**

**Project Description:**

ELEME Inc. is a platform that offers [online food delivery](https://en.wikipedia.org/wiki/Online_food_ordering) service. The project ele.me involved the enhancement of web-based online services to customers. Ele.me offers customer-to-customer meal ordering and food delivery services. Later customers can add multiple food items into the cart, update, delete items in the cart and checkout

**Technologies used**:

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

**Responsibilities:**

* Developed **ele.me** application Order Management, Profile management module using Spring MVC.
* Implemented **Hibernate pagination** mechanism using criteria API in **ele.me.**
* Designed asynchronous messaging using **Java Message Service** (JMS) to exchange of critical business data and events among J2EE components and legacy system.
* 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.
* 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.

**Hebei University of Technology - Tianjin, China July 2014 –June 2015**

**(Java/J2EE Developer)**

**Project: HebeiWeLL**

**Description:**

**HebeiWeb** is Hebei University’s Health and wellness portal application used by university faculty and students. 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.

**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.
* Developed **HebeiWeLL** modules such as Health History, Profile and Immunization modules using **Servlets** and **JSP**.
* Used **JDBC** to communicate with the database and worked on client side using JavaScript, jQuery and Ajax.
* Used several **jQuery Effects** to perform some animations on the **HebeiWeLL** 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**

**Illinois Institute of Technology**

Master of Electrical Engineering