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**Lu Wan**

**Java Developer**

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**626-698-5788**

* Professional experience in developing web applications, **SOA** based and client/server applications in multi-platform environments with Java/J2EE technologies.
* Utilized various **Design patterns** like Singleton, Façade, Proxy, Factory design patterns.
* Developed several web applications using Spring framework and modules such as **Spring IOC, Spring Core, Spring AOP.**
* Expertise in developing data access or persistence layer using **Object Relational Mapping (ORM) frameworks like Hibernate, JPA, JDBC**
* Worked extensively with **Spring Boot** for developing Serviced Based API with **Spring** **Microservices,** using **Netflix API.**
* Experience in using **Netflix** **cloud** **API’s, Feign, Ribbon, Eureka.**
* Experience of Using **AMQP** with **Rabbit MQ.**
* Worked on **Authorization/Authentication** in **Spring Security Framework.**

**Professional Experience**

# **Client: Wegmans – Rochester, NY   May 2018 - Present**

**Role:  Java Developer**

# **Project: BuyWegmans**

**Description:**

BuyWegmans application helps plan simple meals, create a shopping list, and navigate our stores to find more than 50,000+ products to view including its Nutrition information, Aisle Location and price. It also allows users to view, review and save favorite Wegmans Menu recipes right on your list and automatically add all the ingredients needed to your shopping list. Enables speedy checkout process using shoppers club and also facilitate to clip digital coupons to your Shoppers Club account.

**Responsibilities:**

* Developed **Microservices** for Wegman application’s **Product-Search, Product-Checkout** (Inventory) services using **Spring Boot** framework.
* Produce and Consume messages with **RabbitMQ** formanagingproduct Inventory in Search and Checkout Microservice separately.
* Used **Spring Cloud** and its features like **Feign**, **Ribbon and Eureka** for inter service communication and Load balancing and service Registry and Discovery
* Used Spring actuator for checking Health, Info and Metrics of the running application
* Maintain the Data layer using **Spring Data JPA** for different CRUD Related Activity.
* Implemented ‘SIGN IN’/’SIGN UP’ **Authorization/Authentication** by overriding **UserDetailsManger interface** of **Spring Security Framework.**
* Used **Digital Certificate** through keytool to encrypt secure data in network as a POC.
* Used **Angular CLI** tool for initializing and project setup with scaffolding features on the front end.
* Used Angular on the front end and made asynchronous calls to consume web services and developed **Reactive forms.**
* Created **Route definitions** for navigating views both using Parameterized and non-parameterized routes.

**Environment**: Java 8, Spring Boot, Spring Cloud, Microservices, Digital Certificate, Angular4, Typescript, npm, Node.js, Bootstrap, Oracle 12c, Junit, Log4J, MAVEN, Jenkins, Jira

**Client: DocAsap - Herndon, VA                           June 2017- April 2018**

**Role: Java Developer**

**Project: DocAsap**

**Description:**

DocASAP connects patients with optimal care providers by intelligently matching patient needs with care delivery workflows and simplifying timely access through online scheduling across websites that patients use and trust.

**Responsibilities:**

* Developed **DocASAP** applicationusing **Spring Boot.**
* Worked on several modules like Login, Registration, Doctor-Search, Appointment-Booking
* Created Appointment booking using message bus with **RabbitMQ**.
* Used Spring Boot starter dependencies like JPA, Web, Actuator and Data.
* Performed extensive server-side form validation of **DocASAP** applicationusing **Hibernate Validator**.
* Integrated Spring with **Hibernate** **ORM** frameworks for managing Data Layer of the application.
* Maintain centralized logging activity for different services within the application by utilizing log4j module.
* Used **Git** as Version Control Tool.
* Worked with Auth, Doctor search modules using Angular5 and consumed webservices for doctor search functionality.

**Environment:**

Java 8, J2EE, Spring MVC, Spring Boot, Spring AOP, ActiveMQ, Hibernate, RESTful web services, JUNIT, Oracle 12c, Eclipse, Maven, Log 4J, Jira, Git.

**Client: Newegg Inc - Industry, CA                     July 2016 – May 2017**

**Role:  Java Developer**

**Project: newEgg**

**Description:**

Newegg Inc. 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:**

* Involved in all phases of the Software development life cycle (**SDLC**) using Agile Methodology.
* Developed Admin, Shopping cart and Checkout modules for **newEgg** using **Spring** **MVC** Framework.
* Used **IOC** (Inversion of Control) Pattern of Spring framework for wiring and managing business objects.
* Implemented Email integration using **Spring Scheduler** for informing the customers about shipping status**.**
* Worked on **Hibernate** object relational mapping (ORM) according to database schema to ensure the data integrity and to fetch data from the database.
* Implemented **JSP** in creating client presentation layer and interaction with business layer.
* Created several **PL/SQL** procedures, triggers.
* Followed **Test Driven development** approach for coding and fixing defects with the QA

team.

**Environment**: Java 8, J2EE, HTML5, CSS3, Spring MVC, IOC, Hibernate, Apache Tomcat, jQuery, AJAX, Log4J, MAVEN, GitHub, Eclipse IDE

**Client: Abri Credit Union - Batavia, IL                        Aug 2015- June 2016**

**Role:  JAVA Developer**

**Project: AbriCx**

**Description:**

Abri Credit Union., is a U.S. national bank which allows its customers handles 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.

**Responsibilities:**

* Developed Transaction, Service modules of **AbriCx** using **Spring MVC**.
* Implemented the **Dependency Injection, validation features, Auto-wiring** using the **Spring library.**
* Responsible for creating tables and writing **Hibernate** mapping files to manage n-to-n mapping relationships.
* Created profile page where customer can view and edit his personal detail using JSP & JSTL.
* Email integration implemented to inform Customer about new Bank Policies and change in Rules and Regulation, Interest rate and to promote bank’s new policies using **Spring Scheduler.**
* Involved in client side and server-side form validation using **JavaScript** and **Spring Validator**.
* Developed **Hibernate DAO** Accessor Classes using Spring Hibernate Template.
* Responsible for developing unit and integration tests using **Junit**.

**Environment:** Java 7, J2EE, Spring MVC, Spring IOC, Hibernate, HTML5, CSS3, Bootstrap, JavaScript, jQuery, XML, JUnit, Apache Tomcat Server, Oracle 11g, NetBeans, Log4j, Jira.

**Client: SkyScanner Ltd – Columbus, OH** **Sep 2014-July 2015**

**Role:  JAVA/J2EE *Developer***

**Project: skyScanner**

**Description:**

Skyscanner isn’t unique to searching just for flights, as you can also shop around on the app for rental cars and hotels. The application also pulls in the best deals by month and includes photos of each city as you organize your trip. I worked for **skyScanner** project which has several modules like booking flight and tickets, integrating travel insurance, enabling easy travel solutions and other travel services.

**Responsibilities:**

* Developed UML diagrams such as Use case, Class diagrams, sequence diagram.
* Implemented booking flight modules using **Servlets**, **JSP** and **Ajax** which enables users to search and book their desired flights.
* Developed Review module of **skyScanner** for maintaining website reviews and ratings.
* Worked on Ticket generation page using JSP, JSTL, JQuery and Servlets.
* Implemented client-side form validation using **jQuery plugin** of **skyScanner** for various web pages such as flight search, customer information, payment forms.
* Used **Junit** test framework and wrote unit test cases.
* Worked in **Agile** environment and used **Jira** Project management tool.

**Environment:**  J2EE (JAVA, JSP, Servlets, JDBC), JavaScript, HTML5, CSS3, MySQL, IntelliJ, Junit, Jira.

**Education**

**Bachelor of Computer Science,**

University of California, San Diego