Jie Tong

**Java Developer**

**773-703-6846**

**tongj.app@gmail.com**

**SUMMARY**

* Software professional with extensive Web Application Development experience using **Java/J2EE** related technologies.
* Experience in implementing IOC and Dependency Injection features in various aspects of Spring Framework.
* Experience in implementing **Java EE Design Patterns in** the development of Enterprise Applications.
* Experience in developing Microservice API using **Spring Boot, Netflix OSS (Feign, Ribbon, Eureka**) and followed domain driven design.
* Experience working on front end using JavaScript, jQuery, **Angular5** JavaScript framework.
* Hands on experience with build and deployment tools including **Maven/Gradle**, logging using**Log4j**, unit and integration testing using **JUnit**.
* Hands-on experience in using **ActiveMQ** message broker.

**PROJECTS**

**Alaska Airlines– Chicago, IL July 2018-present**

**(Java/J2ee Developer)**

**Project: AirAlaska**

**Project Description:**

AirAlaska is a web application that offers a convenient and elegant website that helps users to book flights instantly with a dedicated customer support round the clock serving over 3,800 destinations across North America. The website has a huge list of options that helps travelers to select and book flights according to their needs and offers flexible travel date booking. It offers best deals to its users along with finding flights at a cheap price within minutes

**Technologies used:**

Spring Boot, Spring Cloud, SpringDataJPA, Spring Security, Microservices, Restful Web services,Github.

**Responsibilities:**

• Developed REST based service API for AirAlaska using microservices with **Spring Boot** and secured REST endpoints using **Spring Security**.

• Developed AirAlaska’s flight search, flight booking modules using Spring Boot and Spring Cloud **Netflix** API(Feing) to make intra service calls between modules.

• Designed asynchronous messaging using **RabbitMQ** to exchange of critical business data and events among different microservices.

• Used **Spring Transaction** API to manage the ticket booking transactions.

• Used Netflix Ribbon for load balancing and Netflix Eureka for service Registry and Discovery.

• Used Spring Configuration server for externalization and centralization of property files for different microservices on GitHub.

• Worked on the front end using **Angular5**  framework on components, custom directives and consumed web services.

• Wrote unit test cases using **Jasmine** and Karma test runner.

• Used **Junit** and **Mockito** Framework for testing purposes.

**Allianz Travel, Richmond, VA                                       Aug 2017-July 2018**

**(Java Developer)**

**Project: TravelAZ**

**Project Description:**

TravelAZ is a travel insurance web portal which facilitates travelers in protecting you from a variety of unexpected circumstances while they are traveling. It is a simple-to-use tool that makes it easier to take advantage of everything your travel insurance has to offer - keeping you safe and your trip on track. From giving you the freedom to view your policy on the go, to making it more convenient to file a claim through the app, TravelAZ offers plenty of helpful features to keep you protected on any trip.

**Technologies used:**

Java 8, Spring Boot, Spring Cloud, Hibernate, Microservices, Jenkins, Docker, Oracle 12c, GitHub, STS.

**Responsibilities:**

* Designed and developed **Micro Services** business components using **Spring Boot, Spring Cloud** for ***TravelAZ Policy*** **Modules**.
* Implemented application using **Spring Cloud** services, such as Config Server, Service Registry, RabbitMQ dashboard.
* Used Spring basic authentication/ authorization for securing ***TravelAZ*** application.
* Used **Spring Boot Actuator** to monitor the health of the application.
* Extensively used **Spring IOC**, configured Application Context files and performed database object

mapping using Hibernate annotations.

* Implemented Persistence layer using **SpringData JPA** to interact with the Oracle database.
* Implemented messaging between System Integration components using **RabbitMQ**.
* Used **Maven** building tool for creating WAR file to be deployed in application servers and **Jenkins** for continuous build and deployment .

**EatStreet -Madison, WI Sep 2016 - July 2017**

**(Java developer)**

**Project: EatStreet**

**Project Description:**

**EatStreet** is a burgeoning online and mobile food ordering service that streamlines commerce between restaurants and diners.  To hungry diners, EatStreet is the smart, simple, and affordable way to order delivery and takeout from their favorite restaurants. To restaurant owners, EatStreet is a one-stop-shop for online ordering and marketing.

**Technologies used:**

J2EE, Spring BOOT, AMQP, Web services, Hibernate, GitHub, Maven, Jira, Oracle 12c, Apache Tomcat.

**Responsibilities:**

* Developed **RESTful webservices** for EatStreet application using **Spring Boot.**
* Created web services for various modules like **L*ogin, Search and Cart*** functionalities to consume it on the front end.
* Utilized several features of **Spring Boot** like Parent dependency, automatic configurations, actuator.
* Implemented the application using the concrete principles laid down by several design patterns such as **Bean Factory**, **Singleton**.
* Used **SpringData JPA** to handle the complexity of JDBC-based database access and object-relational mappings for managing persistent objects.
* Used [Advanced Message Queuing Protocol](https://en.wikipedia.org/wiki/Advanced_Message_Queuing_Protocol) (**AMQP**) as message brokers to send messages to users regarding the order status.
* Wrote extensive test cases **Junit** and **Mockito** framework**.**
* Worked in Agile Environment and used **Jira** as project management tool.

**New Century Co Ltd- Jilin, China Sep 2015- Aug 2016**

**(Java/J2EE Developer)**

**Project: CenturyHMS**

**Description:**

**CenturyHMS** is a hotel management system application that enables its property members to make hotel reservations online. It enables its members to easily search and book for hotel rooms with their desktop and also has secure payment processing. It also enables certain premium members to make points-based reservation.

**Technologies used**:

J2EE, Spring MVC, Hibernate, JSP, Bootstrap, HTML, CSS, Junit, Oracle11g, Github, LOG4J, Eclipse.

**Responsibilities:**

* Worked on **CenturyHMS** application’s Reservation and Account management module using **Spring MVC.**
* Implemented **Spring MVC** framework to coordinate invocations of Controller classes and rendering of **JSP** pages.
* Utilized **Spring Core** features like Dependency Injection and Validation extensively.
* Significantly increased data access layer performance (**Hibernate + Oracle 11g**​) by applying more efficient fetching strategies, creating indexes and optimizing queries.
* Utilized **jQuery** **UI** library on the client-side to create rich user experience.
* Made **asynchronous calls** for hotel search and to dynamically update the list of hotels on the browser.
* Used **Maven** and **Jenkins** to automate the build and deploy process and **Log4j** utility to generate runtime logs.
* Worked in agile environment and used **JIRA** as project management tool.

**Changchun M&S Software Technological Co., Ltd - Jilin, China Sep 2014 –Aug 2015**

**(Java/J2EE Developer)**

**Project: M&SInventory**

**Description:**

The project was developed using Java/J2EE to provide an easy way to track the products, suppliers, customers as well as purchase and sales information. It also records the stock currently available in the store. The users can manage suppliers, products, customers and purchase and sell products. The admin can view sales report and can also manage other users.

**Environment:** Java, Servlet, JDBC, JavaScript, HTML5, CSS3, JUNIT, Oracle11g, Github, Eclipse.

**Responsibilities:**

* Involved in analyzing, designing and developing the M&SInventory application.
* Worked with **M&SInventory** tracking module to track all the information of supplier, receiving stock, inventory using **JSP** and **Servlets**.
* Developed functionality to filter the list of suppliers, client’s and stocks based on different criteria.
* Worked on a functionality to download suppliers and client’s information using Servlets and JSP.
* Designed the front-end using HTML, CSS and used **JavaScript** to make the webpage interactive.
* Maintained the inventory using **Oracle11g** database and performed querying.

**EDUCATION**

**Illinois Institute of Technology - Chicago, IL**

Master of Electrical Engineering