**ZHIHENG (KEN) FENG**

**Address: 5720 Broadway DR W, Southaven, MS 38672**

**Phone:** (901) 295-8410 **· Email: quinnfeng26276@gmail.com**

**SUMMARY:**

* 7+ years of professional experience as a Full Stack application developer with deep understanding of web-application architecture and continuous integration.
* 7+ years of Core Java such as OOP concepts, **Generics, Multithreading, Collections**

**Framework, Serialization, Stream API,** and **Lambda Expression**.

* 5+ years of Spring Framework including **Spring MVC, Spring IOC, Spring Data JPA, Spring Boot,** and **Spring Security**.
* 5+ years of Front-end experience with **React** and React APIs including **React Redux, Redux form,** and **React Router**.
* Experience with **ORM** technology like **Spring JPA, Hibernate,** and **Spring JDBC**.
* Proficient in **Data Structure, algorithms, OOD/OOP,** and **design patterns**.
* Good understanding of **J2EE** and open-source frameworks including **Java mail,** and **JPA**.
* Solid experience of web technologies using **HTML5, CSS3, JavaScript, Typescript jQuery, and NodeJS**.
* Hands-on experience in frontend UI implementation by using **React Material UI** and **Bootstrap**.
* Experience with SQL and NoSQL database technologies, including **Oracle, MySQL,** and **MongoDB**.
* Fluent in utilizing tools, such as version control including **GIT**, and defect tracking system **JIRA**.
* Experience in **Agile** Scrum methodology, as well as Software Development Life Cycle, Test-Driven Development(**TDD**).
* Expertise in Amazon Web Services(**AWS**) Cloud Computing technology.

**EDUCATION:**

Christian Brothers University - Memphis, TN

B.S. Computer Science & Mathematics

**SKILLS:**

* Java: Core Java, Java Collections, Multithreading, Generics, I/O, Stream API and

Lambda Expression

* J2EE: JDBC, Java Mail, Spring JPA
* Java Framework: Spring IoC, Spring MVC, Spring Boot, Spring Security, Hibernate
* Web technologies: HTML5, CSS3, JavaScript, TypeScript, jQuery, NodeJS, AJAX, Boostrap, React, React Redux, React Material UI, JSON, XML,Google Maps
* Database: Oracle SQL, MySQL, MongoDB
* Deployment and Test Tools: Maven, JUnit, Mockito, Enzyme
* Utilizing tools: GIT, JIRA
* Cloud service: AWS

**WORK EXPERIENCE**

**Task Tracking System**

**Client:** Bite Squad - Minneapolis, MN

**Role:** Senior Full Stack Developer

**Duration:** November 2020 - present

**Description:** Bite Squad is an American online and mobile prepared food ordering and delivery platform. In Bite Squad, I build a delivery/task tracking system using Java Spring Boot, React, and MySQL database. The goal of this product is to allow drivers to view, accept, reject and resign from the task, and provide the current location of the driver and the status of the task to the clients and internal users.

**Responsibility:**

* Participated in modifying the **Class Diagrams, Sequence Diagrams,** and **ER diagrams** with other engineers for the application
* Created and maintained reusable front-end components using **React, Material UI**
* Wrote custom **HTML, CSS,** and **TypeScript** code to develop the user interface.
* Worked with the UI team to develop interactive web pages using **media queries**
* Used a promise based HTTP client called **Axios** to make HTTP requests to the backend
* Utilized **React Router** library to provide a routing layer for the web application
* Created backend REST APIs to handle requests in Java following **Object Oriented Principle**
* Utilized **Spring Boot,** and **Spring Data JPA** to handle requests
* Responsible for writing **Unit Test** cases to ensure code quality and system integrity
* Built and managed the project using Maven and deployed the application to **Amazon EC2**
* Utilized **Git** for version control, and used **JIRA** as a bug tracking system
* Utilized **Google Maps API** to capture the current location of the drivers periodically and provide heatmap to drivers base on deliveries per driver in a small region
* Refactored legacy application code and perform bug fixes for the existing system
* Interacted with UI designers to clarify requirements
* Utilized the concept of **Singleton** and **Synchronization** to enhance the performance of the website by storing ongoing delivery for distribution in order to reduce the number of database queries
* Created customized **JPQL queries** using the query annotation in Spring Data JPA

**Environment:**

Java, Spring Boot, Maven, MySQL, AWS, Bootstrap, Typescript, React, HTML5, CSS3, Git,

Google Maps API, JIRA, React Router,JPQL

**Ecommerce Shopping Platform**

**Client:** AutoZone- Memphis,TN

**Role:** Full Stack Developer

**Duration:** June 2017 - October 2020

**Description:** In AutoZone, I helped build and maintain an e-commerce shopping platform using Java Spring REST, Oracle, React and AWS.The project is to migrate from an old monolith system to a microservice architectural style application.The website contains many components such as a shopping cart, notification system, product page, filtering and so many more.

**Responsibility:**

* Participated in the software development life cycle involving planning, creating, testing, and deploying in **Agile** environment
* Configured **Spring Data JPA** with **Hibernate** in a **Spring Boot** application to achieve entity relationship mapping and therefore abstract away some of the complexity of directly interfacing with the database
* Designed various tables required for the project in **Oracle database** and was involved in coding the SQL Queries, Stored Procedures, and Triggers in the application
* Utilized **Spring Security** to allow certain microservices to be accessible to authenticated or authorized users only
* Designed and developed **RESTful** web service by using Spring framework including **Spring MVC, and Spring IOC**.
* Utilized **Java 8** new features such as Lambda Expression and Stream API to facilitate pipeline processing and improve code readability
* Created **Higher Order Component** to check for authentication
* Used **React Forms** to handle multiple user inputs, and provide validation and error messages.
* Involved in interactive web pages with front-end screens using **HTML, CSS, JavaScript and Bootstrap** in web pages to render the response onto UI.
* Used **React redux** to allow data communication between different components and maintain the state of the entire application.
* Performed unit testing and integration testing using **Jest** and **Enzyme** for React, using **Junit** and **Mockito** for Java.
* Responsible for creating **actions** and **reducers** to manage data in the **redux store**.
* Used **Git** as a version control tool, and used **Asana** to track issues
* Designed and implemented APIs following the RESTful style
* Used **Maven** as a build tool and utilized Jenkins as a continuous integration tool
* Used **AWS** (S3, EC2, RDS) for highly-scalable and efficient cloud storage and deploy environment.

**Environment:**

HTML5, CSS3, Bootstrap, JavaScript, Java, Spring Boot, Maven, Oracle DB, React, Boostrap, AWS, Asana, Git, Junit/Mockito, Jest/Enzyme

**Claim Tracking System**

**Client:** FedEx - Memphis,TN

**Role:** Full Stack Developer

**Duration:** August 2015 - May 2017

**Description:** In Fedex, I added features and Maintained the system for customers to file a claim and track the claim progress for the delivery. The goal of this project is to provide up-to-date status of the claim and effective resolution with the help of customer representatives to the customer.

**Responsibility:**

* Developed web applications using **Java/J2EE** concepts like OOPs, Multithreading, Collections, Spring, web services.
* Developed RESTful web services using **Spring MVC** and **Spring JPA** annotation and used **Spring IoC** to inject Spring bean objects
* Used the **Spring Security** applied for the authentication and authorization of the application.
* Used **Java Mail API** to send documentation to users.
* Coded **JavaScript** for page functionality, developed a complex **AJAX** application based on the **jQuery** framework
* Front-end coding with **HTML** and **CSS**. Created forms for user input, web sites are developed maintained
* Used **Oracle SQL developer** to manage Oracle DBMS and use SQL queries to interact with the Oracle DBMS.
* Handled **JSON/XML** data and carried out data parsing for form submissions and DOM manipulation, used JSON object to handle interaction between front-end and back-end
* Used **Git** as a version control tool, and used **JIRA** to track issues
* Designed and implemented **APIs** following **RESTful** style
* Participated in deploying, operating, tuning, and troubleshooting the team products
* Involved in designing,developing, testing maintenance phases of SDLC using Waterfall Model using deliverable document and email to communicate

**Environment:**

Java 8, Spring IOC, Spring MVC, Spring BOOT, Spring Data JPA, Hibernate,Git,JIRA

Spring Security, HTML5, CSS3, JavaScript,JSON,XML