

# JACKIE FENG

## PROFESSIONAL SUMMARY

- **Over 7 years** of extensive experience in designing and developing software applications with **Spring, ReactJS, Bootstrap, Java, JSP, Servlets, JMS, ORM tool, JDBC, JavaScript, jQuery, CSS, Web Services (SOAP& RESTful).**
- Experienced in a fast-paced **Agile** Development Environment including **Test-Driven Development (TDD)** and **Scrum.**
- Proficient in **Java/J2EE** Design Patterns including **Singleton, Factory, Model View Controller (MVC),** and **Data Access Object (DAO).** Well-versed with Core Java concepts like Collections, Multithreading, and Serialization.
- Hands on experience in building projects using popular IDEs such as Spring Tool Suite (STS), Eclipse and IntelliJ. Extensive experience as a User Interface/Front End Developer in developing web applications using HTML, XML, CSS, JavaScript, Typescript, jQuery, AngularJS and React JS.
  - Experience in User Interface (UI) design and development process using technologies like HTML5, CSS3, JavaScript, jQuery, JSP, Bootstrap, AngularJS, Vue.js
  - Strong experience in deploying applications on IBM WebSphere, Jboss and Tomcat. Experience in Log4J for logging services. Developed Rest Controllers to interact with Angular calls and React Calls.
- Expertise in developing UI based GUIs using Java Applets, HTML5, DHTML, JavaScript, Typescript, AngularJS & 8, XML, DOJO, AJAX, JSF, JSP & spring form tags.
- Extensively used REST APIs as a host and a client by using Postman & Advance Client platform with Spring REST implementation. Used Swagger to document APIs
- Extensive experience in developing JEE-based Web Services to expose useful functionality to web users through SOAP, describing them using WSDL, registering them using UDDI for easy availability to potential users, and consuming using JAX-WS.
- Good Working experience in using different modules like **Spring Core Container, Spring ORM, Spring AOP Module, Spring MVC Framework module, web module,** and **DAO/Repository design pattern.**
- Experience in writing numerous test cases using the **JUnit** framework.
- Worked on IDEs such as Eclipse, STS, IntelliJ, and VSCode for developing, deploying, and debugging the applications.
- Experience in writing Components, Pipes and Services to separate concern and handle different situations by using Angular4.
- Experience in building reusable and customizable components for a website using React JS and React-Routes to create a single page web application.
- Good Knowledge on front-end development using React with Redux but have also worked in all parts of the stack.
- Experience creating single page applications using Angular JS and Node Js.
- Expertise to create a self-contained, reusable and testable modulus and components in Angular4.
- Experience in building reusable and customizable components for a website using React JS and React-Routes to create a single page web application.
- Expert in Core Java with strong understanding of Garbage Collector, Collections Framework, Exception Handling Multithreading, Event handling, JDBC, JMS and Generics.
- Expertise to create a self-contained, reusable and testable modulus and components in Angular4.
- Implemented various levels of application and services using **Spring-Framework** and **ORM** tools like **Hibernate** for a fast pace and efficient code generation.
- Experience working with databases such as MySQL and using PL/SQL to write stored procedures, functions, views, and triggers for different Data Models.

- Experience in setting up company Version policies, build schedule using Git.
- Expertise working on Application servers and Web servers like Apache Tomcat and Tom EE Plus.
- Worked on Jenkins for continuous integration and for building build applications on the production server.
- Understood Kafka for distributed publish-subscribe messaging system and a robust queue that can handle a high volume of data and enable passing messages from one endpoint to another.
  - Experience in creating real time data streaming solutions using Apache Spark /Spark Streaming, Kafka and Flume. Programmed and prepared code for interfacing with Apache Tomcat systems.
  - Have pretty good experience and understanding on partition of Kafka messages and setting up the replication factors in Kafka Cluster and have also used Spring Kafka API calls to process the messages smoothly on Kafka Cluster setup.
- Worked on Docker for the lightweight, portable, self-sufficient container, and made it easier to build and deploy software on the server.
- Worked on Kubernetes for managing containerized workloads and services, that facilitate both declarative configuration and automation.
- Worked on Microservices to build independent services to execute the specific operations in the application.
- Good Knowledge in Apache Kafka, RabbitMQ, most widely used as messaging services.
- Exposure to various SDLC models like Waterfall, Test Driven Development, Agile & Scrum.

## TECHNICAL SKILLS

<b>Java/J2EE Technologies</b>	Servlets, JSTL, JDBC, JMS, Applets, Multi-threading, Java Networking
<b>Programming Languages</b>	Java, C++, C, SQL, PL/SQL, Python
<b>Application/Web Servers</b>	Oracle/BEA WebLogic, IBM WebSphere, Apache Tomcat
<b>Frameworks &amp; API's</b>	Struts, Spring, Spring Boot, Hibernate, JSF, JPA, Angular JS, Angular 2.0, D3, React JS, NodeJS
<b>IDE's</b>	Eclipse, IBM RAD, Net Beans, IntelliJ Idea
<b>Web technologies</b>	JSP, JavaScript, jQuery, AJAX, XML, XSLT, HTML, DHTML, CSS, JSON, Adobe Flex, Spring MVC, Angular JS, Angular 2.0, NodeJS
<b>Debugging Tools</b>	Firebug, Chrome
<b>NoSQL database</b>	MongoDB, Cassandra
<b>Web Services</b>	JAX-WS, JAX-RPC, JAX-RS, SOAP, REST
<b>XML Parser</b>	JAXB, Apache Axis, DOM
<b>Methodologies</b>	Agile, RUP, TDD, OOAD, SDLC
<b>CI/CD Tools</b>	Jenkins, XL Release, Hudson
<b>Modeling Tools</b>	UML, Design Patterns, Rational Rose, Visio
<b>Databases</b>	Oracle, DB2, SQL Server, MySQL,
<b>Version Control</b>	CVS, GIT, SVN
<b>Build Tools</b>	ANT, Maven,
<b>Message Queues</b>	Rabbit MQ, Apache Kafka, Web Sockets

## PROFESSIONAL EXPERIENCE

**MFS Investment Management, Boston, MA**  
**Project: Financial Management Portal (FMP)**  
**Role: Java Full-Stack Developer**

**April 2021– Till Date**

### Responsibilities:

- Creating micro plans, effort estimations and traceability matrix documents.
- Identifying issues in the development. Preparing the technical specifications based on analysis.
- Wrote **POST, UPDATE, DELETE and GET** methods for **REST API** in **Spring Rest Controller**.
- Designed use case diagrams, class diagrams, and sequence diagrams as part of the design.
- Used **Java 8 Lambda Expression and Stream API** to provide a clear and concise way to iterate, filter and extract data from collections.
- Implemented **Spring Rest Template** to consume **REST** web Services for detailed transaction.
- Involved in the Implementation of **MVC Architecture** using **Spring Boot** for the application.
- Designed and developed the application on **Amazon EC2** to consume the web services.
- Managed **SMTP** to send email to customers when changes applied by **Spring Mail API**.
- Realized authentication and authorization by **Spring Security** to maintain the security of data.
- Used **JMS** template for the asynchronous exchange of critical business data and events among JEE components and legacy system.
- Implemented **Spring JPA-repository** for backend-database interaction to CRUD user's data.
- Optimized resource management and allowed lazy loading with the help of **Spring Hibernate**.
- Accessed **REST Web Services** data payload to interact with backend by using **JSON**.
- Implemented layout of front end web page with angular components and created angular services to interact with backend java application.
- Designed & developed using HTML5, CSS3, EXT JS, JavaScript, XML, AngularJS, NodeJS, JSP, JSON, Vue.js, JSF, J2EE and Ajax.
- Worked on Angular 9, 10 technologies for one complete project in rebasing the UI of the application using the techniques in Angular 9, 10.
- Designed and developed user interface using Angular of various **TypeScript** components like schedule, calendar, panel Grid, layout, mega Menu, user management and resource management.
- Used **Boot Strap and Template** for managing **CSS3, HTML5** to get better user interfaces.
- Created **Responsive Designs** (Mobile/Tablet/Desktop) using **Bootstrap, HTML5 & CSS3**.
- Hosted the **MySQL** database in the **AWD RDS** for high availability and high security.
- Built the web-data storage on **AWS S3** to backup and archive media data with little data loss.
- Realized **JUnit** framework to achieve **Test Driven Development** for continuous builds and frequent development iterations across the project.
- Improved performance of functional layers by optimizing Java Code and Stored procedures.
- Interacted with various internal teams such as UI framework, security and integration.
- Used **Agile** process to streamline the development and design process which includes bi-weekly **Sprint** and daily **Scrum** to discuss work progress and organize teams around tasks/projects with **JIRA**.
- Carried out **Test Driven Development methodology (TDD)** by using **JUnit, Mock MVC** and **Mockito** framework for testing accuracy of code.
- Used **Jenkins and GitHub Actions** for Continuous Development and Integration of the application.
- Used **Kubernetes** and **Docker** to build and manage independent components of the application.
- Used NPM for installing required node.js modules and other published Angular NPM modules
- Involved in Construction of UI using JQuery, Angular.Js, Node JS and JavaScript.
- CARD, INTERNET BANKING, WALLET etc. Developed dynamic responsive Web Application by integrating Angular2 with Bootstrap which is further integrated with Web Services and Vue.js.
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**Environment:** Java 8, Spring 4.x, Spring Boot, Spring RESTful WebServices, Spring Data JPA, Spring Security, Amazon Cloud Services (AWS), Hibernate 4.3, Spring Mail Api, Spring MVC, Swagger API, TypeScript, HTML5, CSS3, XML, Tomcat, Eclipse, MySQL, HQL, Maven3.0, Junit, Jenkins, Docker, Kubernetes, Agile, JIRA, Microservices, Mockito, Angular

**Responsibilities:**

- Involved in all phases of Software Development Lifecycle (**SDLC**) including Requirements Collection, Analysis, Development and Customization of the Application through **Agile TDD methodology**.
- Involved in Documentation and Use case design by using **UML** modeling includes development of Class diagrams, Sequence diagrams and Use Case Transaction diagrams.
- Designed and developed business components using Spring AOP, Spring IOC, Spring Annotations.
- Developed multiple POCs to create an interface between Backend to Frontend by using Mongo DB, Express JS, Angular JS and Node.js, React.js
- Hands on experience in building projects using popular IDEs such as Spring Tool Suite (STS), Eclipse and IntelliJ. Extensive experience as a User Interface/Front End Developer in developing web applications using HTML, XML, CSS, JavaScript, Typescript, jQuery, AngularJS and React JS.
- Strong experience in deploying applications on IBM WebSphere, Jboss and Tomcat. Experience in Log4J for logging services. Developed Rest Controllers to interact with Angular calls and React Calls.
- Experience in Unit Testing using Junit and Mockito Frameworks.
- Experience in creation of UI components and interactive UIs using React.js
- Expertise in React JS framework to develop the Single Page Applications (SPA).
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- Experience with an in-depth level of understanding in the strategy and practical implementation of AWS Cloud-Specific technologies including EC2, S3, RDS, RedShift, Lambda and Dynamo DB.
- Integration as well as testing and artifact publishing upon build success integration with web services including RESTful.
- Implemented Spring MVC and then converted to Spring Boot to provide loose coupling to the application and to provide production ready code.
- Implemented **DAO** using **Hibernate** Reverse Engineering, **AOP** & Service layer using Spring MVC.
- Use **Java1.7** with generics, for loop, static import, annotations etc.
- Used **Hibernate** as persistence framework for **DAO** layer to access the database.
- Experience in creating **RESTful** APIs (**JSON** and **SOAP**) using **SpringBoot**, **Apache CXF**, **Jersey**.
- Designed and developed a **Restful APIs** for different modules in the project as per the requirement.
- Developed Java Server components using **Spring**, **Spring MVC**, **Hibernate**, Web Services technologies.
- Used **Spring IOC** to inject the services and their dependencies in dependency injection mechanism.
- Developed **SQL** queries to interact with **Oracle** database and also involved in writing **PL/SQL** code for procedures and functions.
- Used **MAVEN** for build framework and **Jenkins** for continuous build system
- Developed **GUI** using Front end technologies **JSP**, **JSTL**, **AJAX**, **HTML**, **CSS** and **Java Script**.
- Developed a code for Web services using **XML**, **SOAP** and used **SOAPUI** tool for testing the services proficient in testing Web Pages functionalities and raising defects.
- Involved in writing **Spring** Configuration **XML**, file that contains declarations and business classes are wired-up to the frontend managed beans using **Spring** IOC pattern.
- Configured and deployed the application using **Tomcat** and **WebLogic**.
- Used Design patterns such as Business Object (**BO**), Service locator, **Session façade**, **Model View Controller**, **DAO** and **DTO**.
- Implementing and controlling the flow of data to and from **AWS**. Selecting the appropriate **AWS** service based on compute, data, or security requirements.
- Migrating an existing on-premises application to **AWS**.

- Involved in writing the **Junit** test cases as part of unit testing, used **Mocking frameworks EasyMock, PowerMock Objects** and **Spring Datasets** in **TDD** approach.
- Prepared auto deployment scripts for **WebLogic** in **UNIX** environment.
- Used Java Messaging artifacts using **JMS** for sending out automated notification emails to respective users of the application.
- Expertise in implementing SDLC using **Agile** Software Development with **JIRA** platform and **Scrum methodology**.

**Environment:** Java7, J2EE, Spring Batch 3.0, Spring Boot 1.4.1, Spring Security 4.0, SOAP Web Services, Hibernate 4.3.0, IntelliJ IDE 3.1, Spark 1.4.1, JMS 3.2.8, JSP 2.2, JSTL, HTML5, CSS, Tomcat 8.0, XML, XSD, Unix, Oracle12c, Maven, Agile, JIRA, tortoise SVN, Git, junit, WSDL, JSON, JAX RX 3.1.

**Oritani Bank, Township of Washington, NJ**  
**Project: Software Testing Management Web Service**  
**Role: Java Software Engineer**

**Jan 2018 – May 2019**

**Responsibilities:**

- Designed the web pages for the sales consultation tool and wrote the business logic for them
- Applied Agile methodology and organize scrum meetings regularly
- Used JEE paradigm using spring framework for MVC architecture
- Implemented service layer using Spring IOC and annotations and Controllers using Spring MVC.
- Used Spring characteristic features like Dependency Injection/Inversion of Control, Transaction Management and Aspect Oriented Programming for various modules functions.
- Implement several core design patterns like MVC, Singleton, and Data Access Object (DAO), etc.
- Used Hibernate Framework for object-relational mapping and persistence.
- Implemented Spring Security to handle authentication and authorization for all HTTP requests.
- Interfaced with the MySQL using Hibernate Framework with annotation.
- Implemented MySQL queries and used stored procedures, and built-in functions to retrieve and update data from the databases.
- Implemented Spring Security with JWT to give authorization to third-party applications to obtain limited access to the HTTP service.
- Create service for pipeline UI interface to determine which UI to navigate to on loans in inquiry stage under sales consultation tools.
- Used JUnit for Validation of Code to verify that the logic of a piece of the program is correct.
- Implemented functional enhancements and bug fixes to the sale consultation web pages in the UI front, java model side and database end using JEE.
- Used Apache Maven as the software build tool and Log4J for logging errors and messages and Git for version control.

**Environment:** Java7, Servlet 2.0, Spring MVC, JSP, SVN, Maven, Docker, Agile/Scrum, JDBC, Python/Bash scripting, Postgres, Oracle and MySQL

**NJM Insurance, West Trenton, NJ**  
**Project: Payment Detection**  
**Role: Java Developer**

**Feb 2016 - Dec 2017**

**Responsibilities:**

- Designed the web pages for the sales consultation tool and wrote the business logic for them
- Applied Agile methodology and organize scrum meeting on a regular basis
- Used JEE paradigm using spring framework for MVC architecture
- Implemented service layer using Spring IOC and annotations and Controllers using Spring MVC.
- Used Spring's characteristic features like Dependency Injection/Inversion of Control, Transaction Management and Aspect Oriented Programming for various modules functions.
- Implement several core design patterns like MVC, Singleton and Data Access Object (DAO) etc.
- Used Hibernate Framework for object relational mapping and persistence.
- Implemented Spring Security to handle authentication and authorization for all HTTP requests.
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- Implemented functional enhancements and bug fixes to the sale consultation web pages in the UI front, java model side and database end using JEE.
- Used Apache Maven as the software build tool and Log4J for logging errors and messages and Git for version control.

**Environment:** Java7, Spring 4.3.5, JSP& JSTL, Junit, Hibernate 3.1.x, RESTful API, Eclipse, HTML4, CSS3, JavaScript, Maven, Log4j.

**Education: Master of Science in Software Development**

**Language known: Mandarin**