**EXPERIENCE SUMMARY**

* Highly motivated, creative, and versatile IT professional witharound **5 years** of experience in both Front-end and Back-end development catering to a Full-stack expertise in **Java/J2EE technologies like Spring MVC, Spring Boot, Hibernate, Spring REST, Servlets 2.x, JDBC, Exception Handling, Multi-threading, JavaBeans, I/O and Collections.**
* Credible experience in development and deployment of applications using application and web servers like **Tomcat,** **TomEE Plus.**
* Proficient in various Web based front-end technologies like **HTML5, CSS3, Angular11, jQuery and JavaScript.**
* Experienced in several DevOps essential tools like **Docker, Kubernetes, GIT, Jenkins.**
* Familiar with Continuous Integration and Continuous Delivery (**CI/CD**) technology such as **Jenkins**.
* Proficient in developing Web Applications using **Spring Framework** along with hands on experienceon **IOC, AOP, MVC, Spring Security, Spring Core, Spring REST, Hibernate ORM** and **Web Service Integration (JAX-WS and RESTful Web Services).**
* Knowledge of **Spring Batch** framework**.**
* Experienced in working with relational databases like **MySQL** and **Oracle,** database programming language **PL/SQL.**
* Experience in **Junit, Mockito** testing frameworks to automate **Unit Testing** under **TDD** methodology**.**
* Knowledge of **Java Messaging Service (JMS)** to create, send and read peer-to-peer as well as broadcast asynchronous messages.
* Extensive experience with Java complaint IDEs like **Eclipse, IntelliJ, NetBeans,** and **STS.**
* Proficiently experienced with **Software Design patterns.**
* Experienced with various Software design patterns like **M**odel **V**iew **C**ontroller (**MVC**)**, D**ata **A**ccess **O**bject**, Proxy, Factory, Singleton, SOLID Principles etc.** in the development of Enterprise Applications.
* Involved in complete **Software Development Life Cycle (SDLC)** phaseswhich includeRequirementanalysis, Design, and Implementation.
* Hands on experience in Object-Oriented Analysis and Design (**OOAD**) methodology using Unified Modelling Language (**UML**).
* Articulate in written and verbal communication along with strong interpersonal, analytical, and organizational skills.
* Highly motivated team player with the ability to work independently and adapt quickly to new and emerging technologies.
* Experience in developing software using **SDLC** and **Agile/Scrum** methodologies.
* Good knowledge of **Algorithms** and **Data Structures**.
* Experienced in developing software using **SDLC** and **Agile/Scrum** methodologies using **TDD/BDD.**
* Experienced in MVP for analytics engine with real-time processing, using **Spring Cloud DataFlow, Cloud Stream, Apache Kafka** and **Docker Compose**

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming Languages:** | Java, Python |
| **Web Development** | Servlets 2.0, HTML5, CSS3, JavaScript, Angular6, jQuery, JSP, JSTL, Bootstrap. |
| **Frameworks:** | Hibernate 5.0.7, Spring 4.3, Spring Boot 2.1.1, Bootstrap. |
| **IDE:** | Eclipse Neon, STS, IntelliJ. |
| **Design Patterns:** | MVC, Singleton, Factory, Proxy, SOLID, DAO |
| **Application Servers:** | Tom EE Plus |
| **Web Servers:** | Apache Tomcat 9. x. |
| **Web Services:** | RESTful, SOAP. |
| **Deployment Tools:** | Maven. |
| **Source Control**: | Git |
| **Testing & Logging Frameworks:** | JUnit, Log4j, Mockito |
| **Database Management Systems:** | MySQL, Oracle 12C, Firebase, MongoDB |

**PROFESSIONAL EXPERIENCE:**

**Texas Health Resources, Arlington, TX Nov 2019 to Till Date**  
**Project Name: Patient Management Portal  
Project Role:  Java Full Stack Developer**

**Responsibilities:**

* Designing and developingWeb Application adhering to **MVC architecture** that provides users ability of creating new web-based claims and viewing claims status online.
* Used **Spring Core** for **Inversion of Control (IOC)** to **inject dependencies (DI)** for loose coupling.
* Wrote **Spring Controllers**, **DAOs & their Implementations,** **Service** and **Model** classes and auto-wired them.
* Worked under **Test Driven Development (TDD)** along with **Agile/Scrum** methodology.
* Created numerous mocks from test database using **Mockito** for unit testing of the code using the **JUnit** testing framework to implement **TDD**.
* Wrote **Spring Controllers, DAOs** & their Implementations, Service and Model classes and auto-wired them for example: DoctorDAO, DoctorService, Doctor Pojos to match the design principle “program for interface than implementation”.
* Designed an interactive UI with **HTML5, JSP, CSS3,** **jQuery, Angular, AJAX** that handles asynchronous loading and rendering of **claims data**.
* Implemented Software Design patterns like **Singleton, Proxy,** and **Factory**.
* Used to developing software using **SDLC** and **Agile/Scrum** methodologies using **TDD/BDD.**
* Validated claims data entered by the customers by using **jQuery** and **HTML5** validations to validate the phone number Social Security Number.
* Developed User Interface using **TypeScript** and **Angular** involving interactive features such as animations, text boxes, navigation buttons and messaging systems.
* Handled security concerns by implementing **Spring Security using JWT** for Authentication and Authorization to control patient, receptionist and administrator access.
* Configured **Object-Relational Mappings** using annotations for mapping the domain objects to database tables and their corresponding properties to the table columns like Patient, Doctor, Receptionist classes.
* Used **Hibernate** for persistence of domain models by write **HQL**, **Native SQL Queries** to map Patient, Doctor, Receptionist classes to Patient, Doctor, and Receptionist tables in Database.
* Wrote **RESTful** services using **Spring REST** to consume resources such as Patient, Doctor, and Schedule in both **XML** and **JSON** format.
* Developed **responsive views** with **Bootstrap** and styles with **CSS3** browser compatibility.
* Validated claims data entered by the customers by using **jQuery and HTML5** validations.
* Constructing reusable front-end structure that consumes **RESTful endpoints** to render and display claims files to the customers.
* Interacting with the clients to understand their requirements and provide smooth implementation and ongoing support.
* Involved in writing **SQL** queries, **PL/SQL** programming and created new procedures.
* Analysing existing code and formulate solution for adapting to **evolving** **web environment**.
* Provided functionality to the customers to manipulate personal details like demographic information as well as critical claims data.
* Performed Branching, Tagging, Release Activities on Version Control Tools: **GIT**
* Developing scripts for build, deployment, maintenance, and related tasks using **Jenkins, Maven.**
* Used several DevOps essential tools like **Docker, Kubernetes, GIT, Jenkins.**
* Implemented Spring boot **Microservices** to process the messages into the **Kafka** cluster setup.
* Developed and executed unit test plans using **JUnit** and **Mockito** ensuring that results are documented and reviewed with quality assurance teams responsible for integration testing.
* Involved in the **Agile** sprints to streamline the development and design process.

**Technology Stack:** Java 8, Spring Framework 4.3, Hibernate 5.0.7, Spring Boot 2.1.1, Spring Data JPA, Spring Security with JWT, RESTful Web services, TypeScript/JavaScript, jQuery, Oracle 11g, Tomcat 9, Angular11, HTML5, CSS3, Bootstrap, Maven, Log4J, jUnit., Jenkins, Scrum, JiRA.

**Markel Corporation, Glen Allen, VA Feb 2018 to Oct 2019**

**Role: Full-Stack Developer**

**Project: Portfolio Management Application**

**Responsibilities:**

* Adapted to all stages of the **SDLC** like design, development, testing, and deployment.  Also performed requirements translation to design, coding according to the design, and testing depending on the requirements.
* Used to developing software using **SDLC** and **Agile/Scrum** methodologies using **TDD/BDD.**
* Used **Java 8 Lambda Expression and Stream API** to provide a clear and concise way to iterate, filter, and extract data from collections.
* Used **Spring Core** for dependency injection and dynamically configuring files/building web applications on top of the **Java EE.**
* Used **Spring Boot** to develop **REST APIs** for the application’s modules like Policy Management, Policy Retrieval, and Purchase, Intermediary Management, Administration.
* Built, designed, and implemented the front-end as a **SPA** (Single-Page Application) using **Angular 8** which consumes **JSON** from the RESTful Web Services.
* Used **Hystrix** to implement circuit breaker for fault tolerance while invoking the underlying Spring Microservices of **Spring Cloud Netflix**.
* Used **Amazon Elastic Beanstalk** for deploying the application to the AWS cloud, along with capacity provisioning, load balancing, auto-scaling, and health monitoring.
* Configured **Spring DataSource** for connecting to the database as well as **Hibernate** for the **ORM** (Object-Relational Mapping) and created JPA repositories.
* Set up the **MySQL** database and implemented **PL/SQL** queries along with MySQL **stored procedures**, and built-in functions to retrieve and update data from the database.
* Developed a responsive **View** with **HTML5, Bootstrap**, **Angular Material**, styled with **CSS.**
* Implemented several core designs patterns like **Singleton, Data Access Object (DAO), Adapter pattern**,and **Factory pattern.**
* Added **Spring Security JWT** to provide user authentication and authorization to the application.
* Implemented the **Log4j** framework to log the details of application processing as an audit logging framework.
* Used **Git** for version control and coordinating among team members.
* Utilized **Maven** to build applications and for adding dependencies to the application.
* Used **JUnit** for unit testing the code to improve the quality of code before deployment.
* Used **Amazon S3** to store and retrieve policy details in secure, durable, and scalable storage that is designed for large-capacity and low-cost provision across multiple geographical regions.
* Experience with DevOps essential tools like **Docker, Kubernetes, GIT, Jenkins.**
* Implemented **Kafka** producer and consumer applications on **Kafka cluster** setup with help of **Zookeeper**.
* Experience in developing **Microservices** using **Spring Boot, Netflix OSS (Eureka, Hystrix**).
* 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**
* Involved in the **Agile** process to streamline the development and design process, which includes bi-weekly **Sprint** and daily **Scrum** to discuss work progress.
* Carried out **Test Driven Development methodology (TDD)** by using **JUnit** and **Mockito** frameworks for testing accuracy of code.

**Environment:** Java SE 7/8, Java EE 1.7, Angular 8, Spring Framework 4.x(Spring Core, Spring Boot 3.2, Spring Security 2.0, Spring Data JPA, Spring REST API), Microservices, AWS (S3/EC2), Apache Tomcat Server 9.0, Maven, Git, Hibernate 4.x. HTML5, CSS3, TypeScript, Bootstrap, JiRA.

**First South Bank, Spartanburg, SC July 2016 – Feb 2018 Role: Java Programmer**

**Project: Cards Payment Association**

**Responsibilities:**

* Used Agile methodology for modeling software development, with cross-functional rapid delivery methods and iterations to release the working software with minimal bugs.
* Used **DAO, MVC, Factory** and **Singleton** Java design-patterns as the best practice solutions and common reusable platforms in the **Object-Oriented Programming.**
* Defined **Model beans (business logic)** and created **DAO (data access object)** classes with the properties and methods for **CRUD-operations**.
* Coordinating with the onsite team in resolving the application issues.
* Responsible for designing some of the framework components such as pagination and updates to the persistence mechanism.
* Developed Business Delegates to call **Session Beans**.
* Involved in the integration of **Spring** for implementing **Dependency Injection (DI/IOC).**
* Implemented application using **Spring MVC** framework. Use of collection framework including List, Map etc.
* Used custom persistence mechanism for read queries and **JPA** for create, update and delete operations.
* Used **Web Services** for Data Exchange (send/receive appeal case information, filings, documents, etc.) with external agencies, such as DCA, Supreme Court, Attorney General, etc.
* Developed the java beans (**POJO**) to represent the model classes and mapped them to the tables using the **Hibernate Mapping** files.
* Developed Database Access Objects (DAO) using the **Spring Hibernate** Support and using **Hibernate Query Language (HQL)**
* Used **Value Objects** generated from tables to map to their corresponding classes **(ORM)**.
* Implement text analysis algorithms for handling messy meta-data.
* Involved in the enhancement of some applications and user requirements and implement high performance algorithms for data processing and analysis.
* Involved in image processing and fetching the data from the image.
* Interact with the Project Manager to provide estimates for different phases in the projects and to interact with the client team to convey the progress.
* Implement **Singleton,** **proxy** Design Patterns in developing the application.
* Used **GIT** for version control.
* Applying JSF Framework and configure the properties, Manage beans, Listeners and validations.

**Environment:** Java, JEE, Spring MVC, Hibernate, Maven, Eclipse, JPA, HTML, Web Services, GIT.

**Education: Bachelor of Science in Computer Science**