**EXPERIENCE SUMMARY**

* **Over 6 years** of experience in System Design, Enterprise Software development, and Web Development utilizing Object-Oriented technologies and **Java Technologies** (**Spring, Hibernate, JDBC**) in Insurance and Financial domains.
* Good Knowledge in front-end development using **HTML5, CSS3, TypeScript,** and **Angular.**
* Experience in **Spring** technologies like **Spring Boot, MVC, Data JDBC/JPA/REST, Security,** and **Batch**
* Involved in design, development and testing of web application and integration projects using Core Java technologies such as **JEE, JSP, JDBC, Spring Framework, Hibernate, Web Services,** and **XML**.
* Experience in utilizing search engine technologies such as **ElasticSearch** and **Kibana**.
* Familiar with Continuous Integration and Continuous Delivery (**CI/CD**) technology such as **Jenkins**.
* Experience in container technologies using **Kubernetes** and **Docker** for deployment and management of the **Microservice** applications.
* Hands on experience in Object-Oriented Analysis and Design (**OOAD**) methodology using Unified Modelling Language (**UML**).
* Experienced in **Junit, Mockito** testing frameworks to automate **Unit Testing** under **TDD** methodology**.**
* Good knowledge on **RDBMS** concepts and experience in **PostgreSQL, Oracle** and **MySQL**.
* Proficient in using **Windows**, **Linux**, and **Mac OS**.
* Hands-on experience with complex database **queries**, **stored procedures,** and **materialized views**.
* Experience in using **Amazon Web Services** **(AWS) using EC2/Beanstalk/S3/RDS** with other applications infrastructure.
* Experienced in developing software using **SDLC** and **Agile/Scrum** methodologies.
* Good knowledge of **Algorithms** and **Data Structures**.
* Extensive hands-on experience in different aspects of enterprise software development including integration, **REST/RESTful** web services, and **Swagger2** API documentation.
* Experience in developing software using **SDLC** and **Agile/Scrum** methodologies using **TDD/BDD.**
* Experience in **Jenkins, Kafka, Docker, and Kubernetes**

**TECHNICAL SKILLS**

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| --- | --- |
| **Programming Languages:** | Java 8, HTML5, CSS3, TypeScript, Angular7, SQL |
| **Frameworks:** | JEE, Hibernate3.x, Spring 3.x, Spring Boot, Spring MVC |
| **IDE:** | VS Code, IntelliJ Idea, Eclipse, |
| **Design Patterns:** | Singleton, Factory, MVC, DAO, Server/Client, etc.. |
| **Web/Application Servers:** | Apache Tomcat 9.x, Wildfly, JBoss |
| **Web Services:** | RESTFUL, Swagger2 API Documentation |
| **Cloud Services:** | AWS ECR, S3, EC2, Beanstalk, RDS |
| **Deployment Tools:** | Maven, Docker, Kubernetes |
| **Version Control**: | Git, GitHub, GitLab |
| **Testing & Logging:** | JUnit 4, Mockito, Apache Log4j 2 |
| **Database Management Systems:** | PostgreSQL, MySQL, Oracle |
| **Operating Systems** | Windows, Linux UBUNTU, Mac OS X |

**PROFESSIONAL EXPERIENCE**

**Erie Insurance, Erie, PA Feb 2020 – Till Date Project: Web Portal Security Module Role: Full Stack Enterprise Java Developer**

**Responsibilities:**

* Developed the application using **Spring MVC** framework based on **Model View Controller (MVC)** design pattern.
* Experience with **Bootstrap** components like Grids, Collapsible-Panels, Toolbars, Image Carousels, and Navigation Bars.
* Used in developing software using **SDLC** and **Agile/Scrum** methodologies using **TDD/BDD.**
* Developed **RESTful** Web services using **Spring REST.**
* Implemented **Spring Security** for single page sign-on authentication and multiple role authorization in a multi-product insurance management application.
* Applied **Spring Boot** to ease configuration issues and avoid conflicting versions of libraries.
* Designed user interface screens using **Angular** and **Bootstrap**.
* Designed **REST APIs** supporting **JSON** that allow sophisticated, effective and low-cost application 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 team around tasks/projects with **Jira**
* Used **Generics** to make the code type safe, remove type casting and use compile time checking.
* Used **JavaScript** for performing front-end validations.
* Developed **Spring MVC** framework extensively with **Inversion of Control** and **Dependency Injection** (**DI**).
* Creating micro plans, effort estimations and traceability matrix documents. Identifying and escalating any issues in the development. Preparing the technical specifications based on analysis.
* Designed use case diagrams, class diagrams, and sequence diagrams as part of the design.
* Developed **RESTful** **Web Services** using annotations in **Spring RESTController** to derive suitable actions using **HTTP** (GET, POST, PUT, DELETE) and map those **URL** actions to view data on the Angular front end.
* Created connections to database using **Hibernate SessionFactory** using **Hibernate APIs** to retrieve and store data to the database with **Hibernate** transaction control.
* Implemented **Hibernate** for Database Transactions on **MySQL Workbench.**
* Used tools like **DEV Tools** and **Actuator** that are a part of **Spring Boot** to speed application development as well as monitor the application when pushed to production.
* Used **MySQL** as the **ORM database** for carrying out various database operations.
* Deployed **Microservices using** **Spring Cloud** and **Docker** to simplify development on all platforms.
* Developed **SQL scripts** involving joins to retrieve data from different databases on the back end.
* Interacted with Business Analysts to come up with better implementation designs for the application.
* Provided production support for the application both onsite and remotely.
* 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**.
* Experience in container technologies using **Kubernetes and Docker** for deployment and management of the Microservice applications.
* **Jenkins** was used for **Continuous Integration / Continuous Deployment**.
* Improve performance of several layers by optimizing Code and writing stored procedures.
* Better project and dependency management was achieved using **Maven**.
* Performed production support of the application in production and managed production issues.
* Created a MVP for analytics engine with real-time processing, using Spring Cloud DataFlow, Cloud Stream, Apache Kafka and Docker Compose

**Environment:** Java 8, Spring Boot, Spring Data JPA, Spring MVC, Apache Tomcat, Angular, Formik Library, Bootstrap, HTML5, CSS3, XML, MySQL, Microservices, Docker, Log4J, Mockito, JUnit JavaScript, RESTful Web Services, Eclipse, Maven, Kafka, Jira.

**University Hospitals, Cleveland, OH June 2018 – Jan 2020**

**Project: Telehealth and e-billing system**

**Role: Java Engineer**

**Responsibilities**:

* Apply in all the phases of **SDLC** including Requirements Collection, Design Analysis of the Customer Specifications, and Development Customization of the Application.
* Followed **Agile** software development practice paired programming and **Scrum** status meetings.
* Gather requirements from business team and work with UI designers for mock-ups
* Design and develop Web applications using **Spring framework** (**Spring Boot, Spring Security**, **Spring core, Spring Hibernate** framework).
* Implement **Spring MVC** to design around the front controller pattern where a central Servlet, the Dispatcher Servlet, provides a shared algorithm for request processing, while actual work is performed by configurable delegate components. This model is flexible and supports diverse workflows.
* Implement **Spring Security** framework to impose security restrictions to Spring-framework–based Web applications through JEE components.
* Build **Spring Data repository abstraction** to significantly reduce the amount of boilerplate code required to implement data access layers for various persistence stores.
* Used **Spring Boot** to provide a flexible way to configure Java Beans, XML configurations, Database Transactions and also to provide a powerful batch processing and manages REST endpoints.
* Responsible for designing some of the framework components such as pagination and updates to the persistence mechanism.
* Used **Spring Dependency Injection to** help classes work together and at the same time keeping them independent.
* 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 custom persistence mechanism for read queries and **JPA** for create, update and delete operations.
* Implement service class calling back-end Store Procedure in **MySQL** database by using Java Persistence API.
* Used **Java Database Connectivity (JDBC)** as an application programming interface (API) to defines how a client will access a database
* Used **Value Objects** generated from tables to map to their corresponding classes **(ORM)**.
* Using **Hibernate cache** to improve the performance of accessing databases.
* Build solid Authorization privilege using **JWT.** Once the user is logged in, each subsequent request will include the JWT, allowing the user to access routes, services, and resources that are permitted with that token.
* Developed **Angular 6** to reduce boilerplate code to a custom schematic in order to create modules and components along with a new library generator that makes it easier to contribute open-source modules.
* Used **HTML/HTML5**, with new elements, attributes, and behaviors, **and** a larger set of technologies to allows the building of more diverse and powerful Web sites and applications.
* Used **CSS/CSS3** to bring a lot of long-awaited novelties, like rounded corners, shadows, gradients, transitions or animations, as well as new layouts like multi-columns, flexible box or grid layouts.
* Implement **JavaScript** to allow implementation of complex things on web pages such displaying timely content updates, interactive maps, animated 2D/3D graphics, scrolling video jukeboxes.
* Used **Typescripts** to statically typed superset of JavaScript that compiles to plain JavaScript
* Make the application generic enough to be configured by individual superior courts and authorize the requests according to their own needs.
* Implement **Strategy Design Patterns** in developing applications to deﬁne a family of algorithms, encapsulating each one, and making them interchangeable so that algorithms vary independently from the clients that use it.
* Implement information logging management using **Log4j**.
* Developed **test cases** with input data injected through **Dependency Injection** to test various components developed
* Written test cases and done Unit testing executing **JUnit** tests for controller and service classes.
* **GIT** has been used for sharing source code and version control mechanisms.
* Deploy this application on **Tomcat 9** Web Application Servers.
* Used **Amazon Web services EC2** to launch virtual servers, configure security and networking, and manage storage.
* Experience in **Amazon Web Services** to provide a simple way to access servers, storage, databases (**Amazon RDS**) and a broad set of application services over the Internet.
* Responsible for design and development of various screens
* Interact with the Project Manager to provide estimates for different phases in the projects and also to interact with the client team to convey the progress.

**Environment**: Java, J2EE, Spring Boot, Spring MVC, Spring Security, JWT Authentication, Spring 4.x/Core/JDBC, Servlets, XML, JDBC, JavaScript, Typescript, UML, HTML/HTML5, Log4J, JUnit, Eclipse, MYSQL, Agile, Jira, tomcat 9, GIT, Hibernate, HQL, POJO, JPA, Angular 6, SDLC, EC2, Amazon RDS.

**Dollar Bank, Pittsburgh, PA June 2015 – May 2018**

**Project: AML Compliance Management**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Involved in various phases of **Software Development Life Cycle (SDLC)** such as requirements gathering, modeling, analysis, design and development.
* Used **Spring Framework** in the application, which is based on **MVC design pattern** and integration with **Hibernate** **ORM** framework.
* Used **Angular7** in front-end to connect with back-end and implement **REST APIs** using **HttpClient**.
* Implemented a **single-page application (SPA)** using **Angular 7** to show a graphical representation of users’ transaction history.
* Designed Use Case Diagrams, Class Diagrams and Sequence Diagrams and Object Diagrams to model the detailed design of the application using **UML**.
* Developed Restful Web services for other systems to interact with Application and secured the service with **Spring-Security JWT**.
* Used **Spring Cloud API** to develop **Spring Microservice** to separate applications domain logics.
* Designed and developed the framework to consume the web services hosted in **Amazon EC2** instances.
* Used the lightweight container of the **Spring** Framework to provide architectural flexibility for **Inversion of control (IOC)** to implement **Dependency Injection (DI).**
* Worked extensively on developing **controllers**, **Interfaces** and **implementation** classes using **Spring Boot** & used **Spring** **Micro services** architecture with **Spring** **Boot** based service through **RESTful API.**
* **Used Hystrix** to implement **circuit breaker** while invoking underlying **Spring Microservice** of **Spring Cloud Netflix.**
* Designed and developed Enterprise Eligibility business objects and domain objects with Object Relational Mapping framework such as **Hibernate**.
* Created and consumed **RESTful** Web Services for the management of data using **Spring REST API**.
* Installed and configured Development Environment using **Eclipse** with **Apache Tomcat** Application server.
* Configured **Hibernate** Objects as **JPA Repository Objects** in **Spring Boot**.
* Implements load **balancer** using **Netflix Zuul** and its solid bonding with **Spring Cloud in Spring Microservices.**
* Used **MongoDB** to configuration server, which deployed as a replica set in order to ensure redundancy and high availability.
* Implemented several core design-patterns like S**ingleton, Data Access Object (DAO)**, **Adapter pattern** and **Factory pattern.**
* Used **Amazon Elastic-Beanstalk** to deploy **Spring Boot** applications in **AWS Cloud.**
* Used **Maven** commands for various tasks to automate the build process and for the deployment of the application in **Apache** **Tomcat** server.
* Monitored and fixed the error logs using **Log4j**.
* Used **GIT** for version controlling and coordinating among team members.
* Wrote test cases using **JUnit** testing framework and configured applications on **Apache Tomcat** **Server** for deployment.
* Developed unit and integration tests for existing microservices using **JUnit, Mockito**.
* Experience in testing with JUnit Framework using **Mockito and Spring Junit**.
* Implemented **Test Driven Development (TDD)** approach using **JUnit** testing for the services.
* Participated in **Scrum** meetings and followed **Agile** methodology to develop the application.

**Environment**: Java SE 8, J2EE, Spring MVC 4, Angular7, Node JS, AWS, Elastic-Beanstalk, EC2, Hibernate 4.0, Spring Boot framework 1.4, Spring Core 4, Spring Cloud, Microservices, HTML5, CSS3, MQ/Kafka, TypeScript, Git, MongoDB, Log4J, JUnit, Maven, Tomcat, Eclipse neon, MySQL5.

**Education: Bachelor’s of Computer Science**