**Joseph Whitney**

**Sr. Java Full Stack Developer**

**Email:** [**joseph.whitneyncr@gmail.com**](mailto:joseph.whitneyncr@gmail.com) **Contact: +1 726-900-3866**

**SUMMARY**

* 10+ years of experience working as **JAVA** developer in requirement analysis, design, development, deployment, and maintenance of client/server applications along with Enterprise and Distributed applications.
* Extensive development experience specializing in environment building n-tier applications using **JAVA**, **J2EE**, **MVC Framework**, **Spring Boot**, **Spring**, **Hibernate**, **JavaScrip**t, **HTML/HTML5**, **CSS/CSS3**, Oracle, **SQL**.
* Hands on experience developing **Micro-services** using **Spring Boot** to build more physically separated modular applications which will improve scalability, Availability, Agility of application.
* Good understanding of OOPS concepts, **Collections, Exceptions Handling, Input/output (I/O) System, Annotations, Concurrency, Multi-Threading, Lambda and Generics.**
* Expertise in **XML, SAX, DOM, SOAP web services, WSDL** and **Restful web services**.
* Good knowledge on **Amazon Web Services (AWS)**, **Amazon Cloud Services** like **Elastic Compute Cloud (EC2), Simple Storage Service(S3), Amazon Simple DB, Amazon Cloud Watch, SNS** and experienced in building highly scalable java applications using various architectures.
* Application was responsive in nature and directly talking to microservices deployed on **EC2 instances.**
* Involved in developing testing frameworks such as **JUnit, Mockito, Cucumber** and **Selenium** for **Test Driven Development** (TDD).
* Experienced in Agile methodologies like **Scrum** and **Extreme Programming (XP),** and Agile practices like **Continuous Integration** and **Test-Driven Development** (TDD).
* Worked on **Code Optimization** & **Performance Tuning** of various applications.
* Hands-on experience in using **Eclipse, SLF4j, Log4j, JUnit, Mockito** for building, logging, testing **JTest** for Performance Testing**.**
* Extensively utilized **Spring MVC Framework, JSP, JSF,** for creating User interface modules.
* Proficient in utilizing social databases **Oracle, MySQL, SQL Server** and composing complex SQL, **PL/SQL** programs. Great comprehension of **NoSQL** databases like **MongoDB.**
* Good knowledge in Single Page Applications **(SPA)** using JavaScript frameworks like **Angular 15 JS, React.js.**
* Good experience working with **Continuous Integration** **and Deployment** **(CI/CD)** tools like **Jenkins**, **Docker**.
* Experience with container-based deployments using **Docker**, working with **Docker images** and **Docker Hub**.
* Used Kubernetes to orchestrate the deployment, scaling and management of **Docker** containers.
* Expert in version control tools like **Git** and **SVN**.
* Good team player and can work in both **Agile** (Scrum) and **Waterfall environments**.

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| **Language** | Java 7/ 8/11, C, C++, SQL, PL/SQL |
| **Application Servers** | Web logic 10.3.4/9.0/7.1/6.1, IBM Web Sphere 8.x/6.x/5.x |
| **Technologies** | Servlets, JDBC, Vertex, JSP, Struts, Hibernate, Spring BOOT, IOC, AOP, MVC, JSON, JMS, MQ, JBOSS, ORM |
| **Web Servers** | Rest, SOAP, Apache-Tomcat |
| **Web Technologies** | HTML, JavaScript, AJAX, JQUERY, Angular 15 JS, CSS3, HTML5, XHTML, DHTML, React JS, Bootstrap |
| **XML Technologies** | XML, DOM |
| **Database** | Oracle 10g/11g, PL/SQL, MySQL, SQL Server 2008 |
| **Build Tool** | Ant, Maven, Gradle, Jenkins |
| **Testing** | Junit, QUnit, JMock |
| **IDE Tools** | Eclipse3x, IntelliJ, Atom, WebSphere, Dreamweaver |
| **Version Control** | GIT, SVN, CVS, Docker |
| **Operating Systems** | Windows, Mac OSX, Linux, Unix |

**Education:**

Bachelor of Technology in Computer Science and Engineering, UCLA Extensions

**PROFESSIONAL EXPERIENCE**

**Client: Chase Bank –New York, NY October 2021 – Present**

**Role: Sr. Full Stack Java Developer**

**Responsibilities:**

* All the functionalities are implemented using **Spring IO** / **Spring Boot** and **Hibernate ORM**. Created the build, deployment and configuration related scripts for **Maven.**
* Utilized **Hibernate** and **SQL** for communication with SQL Server database.
* Working on **java backend** like spring, spring boot and microservices for ICW (machine control software) application which is material handling system software for controlling the sorters and mergers used for sorting package.
* Built Spring Boot **microservices** for the delivery of software products across the enterprise.
* Decomposed existing monolithic application into multiple microservices using Spring boot and Kafka.
* Used Micro services to communicate using synchronous protocols **HTTP** and **REST** for implementing **SOA** approach.
* Setup databases on Amazon RDS or **EC2** instances as per requirement.
* Implementation of Spring Restful web services which produces **JSON.**
* Migrating existing application into micro services architecture using **Rest APIs, spring boot.**
* Created POC of Authentication and Authorization with Oauth2 **Spring Boot** microservice. Utilized **JWT** as tokenization scheme for **Oauth2**.
* Maintained and updated a **GraphQL** layer to allow retrieval and updates of user interactions with PostgreSQL database.
* Management and Administration of AWS Services **CLI, EC2, VPC, S3, ELB Glacier, Route 53, CloudTrail, IAM**, and Trusted Advisor services.
* Collaborated with the backend team to design, define, and implement **GraphQL** types and resolvers to provide the necessary data for frontend development while maintaining minimal calls to the database.
* Maintained and updated unit and integration tests for both the **GraphQL** and lib level to validate behavior.
* Designed **Java API** to connect the **Amazon S3** service to store and retrieve the media files.
* Extensively worked on front end, business, and persistence tiers using the **spring framework**
* Involved in designing and implementation of **MVC design** pattern using spring framework for Web-tier.
* Developed custom components for CDC with **J2EE, Spring, Hibernate and Java8.** Designed components to extract and load data from EPA website utilizing **Spring and Hibernate**
* Used **Jenkins** pipelines to drive all micro services builds out to the **Docker registry** and then deployed to **Kubernetes**, created **Pods** and managed using **Kubernetes**.
* Followed **agile** software development practice paired programming, test driven development and scrum status meetings.
* Worked extensively on **Spring boot** for building web services.
* New library development with micro services architecture using **REST API’s,** **Spring Boot**
* Worked on creating various types of indexes on different collections to get good performance in **Mongo** database.
* Have knowledge on partition of **Kafka** messages and setting up the replication factors in **Kafka Cluster.**
* Involved in unit testing of core functionalities using **Junit.**
* Performed code review and unit tested the application using **Junit** framework. Participated in the **production support** and maintenance of the project.
* Developed **API** for using **AWS Lambda** to manage the servers and run the code in **AWS.**
* Selecting the appropriate **AWS service** based on **compute, data, or security** requirements.
* Experience in Integration of **Amazon Web Services AWS** with other applications infrastructure
* Performed **J2EE** Testing in developing test cases with **JUnit, MOCKITO** for Unit testing, and logging using **Log4j** and worked on **Mock Testing**.
* Used **log4j**to print the logging, debugging, warning, info statements.
* Performed check-in and check-out and review using pull requests with **GIT** **version control** system.

**Environment:** Java8/11, Spring 3.5, Spring MVC, Spring Security, AWS (EC2, S3, IAM), Hibernate 4.0, Rest, JSP, HTML, CSS, Java Script, OpenShift, Cassandra, Kafka, Typescript, Angular 15, RabbitMQ, Datadog, Junit, Mockito,

**Client: Dell Technologies– Round Rock, TX July 2018 – September 2021**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Engaged in all phases of **SDLC** in involving specifications, gathering Requirements, Designing, Coding, Testing, Deploying, and Maintaining in implementing projects. functionalities using **Agile Scrum Methodology**. Participated in **Scrum** related activities and daily stand-up meetings.
* In the Backend, we have used **J2EE** technologies such as **Spring 4.0 framework** and Implemented the **Spring MVC** and **Spring Core Annotations** for Dependency Injection **(DI).** Developed our application using features **Spring Boot**.
* Wrote data mutations in **GraphQL** which allows users to update their username and password information.
* Implemented React router for building the single page application.
* Built administrator page displaying profile information in React.js and **GraphQL**.
* Experience in building isomorphic applications using React.js and Redux with **GraphQL** on server side
* Used **MYSQL** as the **backend database** and involved in design of the database schema and development of Stored Procedures.
* Working on **front end** UI using angular 15 for the material handling system software for controlling the sorters and mergers used for sorting packages in **ATT’s warehouses.**
* **Spring Boot** Microservices were developed with microservice architecture using **REST** and **Apache Kafka**.
* Deployed the application on **Amazon Web services (AWS)** and used it to provide a large computing capacity for scalable solutions.
* Involved in maintaining the reliability, availability, and performance of Amazon Elastic Compute Cloud (**Amazon EC2)** instances.
* Setup & managing windows server on Amazon using **EC2**, EBS, ELB, SSL Security Groups. RDS and IAM.
* Extensively used core **Java** concepts like **Collections Framework**, and **Exception Handling, I/O System, Multi-Threading, JDBC, Generics.**
* Used **Java8**features in developing the code like **Lambda expressions, creating resource classes**, fetching documents from database.
* Developed reusable and inter-operable Web service modules based on service-oriented architecture (**SOA**) by using **RESTful** services.
* Developed the persistence layer using ORM tools like **Hibernate** Framework, performed mappings in **Hibernate** files.
* Proficient with container systems like **Docker** and container orchestration like **EC2 Container Service**, **Kubernetes**, worked with **Terraform.**
* Managed **Docker orchestration and Docker containerization** using **Kubernetes.**
* Used **Kubernetes**to orchestrate the deployment, scaling and management of Docker Containers.
* Written **JUNIT** tests as per the use case and used **Mockito** framework to confirm the expected results.
* Developed test scripts in **Selenium** Web Driver using **Java** Language, setting up the automatic build and deployment automation of project by using **Maven**.
* Deployed applications into Continuous integration environments like **Jenkins** to integrate and deploy code on CI environments for development testing.
* Involved in raising questions for business, Issue/bug tracking monitoring of work assignment in the system is done by **JIRA**.
* Used **Log4j** for Logging various levels of information like error, info, debug into the log files.

**Environment:** Java JDK1.8/8, AWS, HTML5, CSS3, JavaScript, Kubernetes, Docker, Angular 14, Microservices, Restful Web Services, Kubernetes, Hibernate, Spring Boot, Spring MVC, MySQL, Maven, Jenkins, Selenium, Jira, Log4J, Junit, Git.

**Client: John Deere- Washington, DC April 2014 – June 2018** **Role: Backend Java Developer**

**Responsibilities:**

* Involved in developing Webservice operations in Service Oriented Architecture (SOA).
* Analyse requirements with team; write High Level design documents, System Use Case, analyses risk factors.
* Followed agile methodology during complete SDLC process.
* Validated forms using Angular 12 and regular expressions there by providing client-side validation and server validation.
* Participated Agile/Scrum development and deployment teams.
* Used Spring Framework 4.1 for the application development.
* Responsible for Web UI development in JavaScript using jQuery, Angular 14JS, and AJAX.
* Involved in front end development using Struts, JSP&#39, JSTL.
* Used JAXB for marshalling and unmarshalling of work order, billing XML documents, and JAXP for processing.
* Worked with React JS to build bootstrap components for UI web objects. Linked with API data to view render virtual DOM dynamically.
* Created instances in AWS as well as worked on migration to AWS from data centre.
* Developed REST Web services to make web service calls simple and easy for the client to access it with the help of standard HTTP URIs.
* Developed DAOs using JPA, Algorithm, hibernate persistence API for the database operations to interact with Oracle Database.
* Performed system monitoring using Sense and Cloud Watch in AWS Cloud.
* Implemented Microservices architecture using Spring Boot for making application smaller and independent.
* Developed web service client using Spring Framework and REST HTTP protocol to get customer credentials and information.
* Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST APIs application with Spring Boot and Microservices.
* Used Spring Batch to setup batch jobs to email the daily reports and that which run on Pivotal Cloud Foundry (PCF) with Spring Boot as its MVC layer.
* Developed security framework with support for database security and integration with external security data stores such as LDAP.
* Designed and developed the REST based Microservices using the Spring Boot.
* Responsible for creating efficient design and developing User Interaction screens using HTML5, CSS3, JavaScript, jQuery, AJAX and JSON.
* Creating custom, general use modules and components, which extend the elements and modules of core Angular 14 JS.
* Used Angular 14 JS as the development framework to build a single-page application and reusable Angular 14 JS applications.
* Integrated with third party Sale point API to make Restful Web service call.
* Designed and developed necessary PL/SQL for the database operations as needed.
* Involved in deployment of the application at various environments (Development, QA Testing, Staging, and Production.)
* Involved in deploying systems on Amazon Web Services (AWS) Infrastructure services EC2, S3, RDS, SQS, Cloud Formation
* Deployed application on Apache Tomcat server.
* Used GIT for version control and repository.
* Used log4j for logging errors, info, Data structures and Algorithm, exceptions.
* Involved extensively in Code Reviews, Unit testing and Process Improvements.