Sajjad Ali

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**PROFESSIONAL SUMMARY**

* **Having 12 years** of experience in Java based web application, Server/Client-side Programming **analysis, design, development, testing, implementation** and maintenance.
* Expertise in designing and developing the software applications by applying the **Object-Oriented Programming OOP Concepts and Principles with a wide exposure to e-business, B2B applications**, service delivery, and Internet and intranet applications.
* Strong experience in developing back-end services using **Java, J2EE, and RESTful Web services, Spring Framework, Microservices, Spring Boot, Spring JPA, Spring Cloud, Spring Security.**
* Experience in AWS Services - (**S3, EC2, EKS, SQS, SES, Dynamo DB, Cloud Watch and IAM**)
* Experience in development and maintenance of RESTful (JAX-RS), SOAP (JAX-WS) web services and integration of third-party web services.
* Expertise in using **JDBC** and **Hibernate** for DB interactions in persistence layers.
* Exposure to databases like **Oracle, MYSQL, SQL Server and PostgreSQL**.
* Good knowledge of **Java and J2EE Design Patterns**.
* Hands on experience in using Application/Web servers like **Tomcat**, **JBoss** servers.
* Experience in Identity and Access Management Implementation Single Sign-On, Identity Federation using **Keycloak**. Involved in designing and implementation of end-to-end security solutions involving different security products.
* Proficient experience on **Active Directory (AD)** adding the machines to the domain controllers and using LDAP to access the AD and Applying Security to the Web applications by using the **Spring Security framework**.
* Good experience on Using OIDC**, SAML, and OAUTH2.0 protocols, Kerberos, Active Directory Federation Services** (**ADFS**) and **Azure AD** to achieve the **Single Sign-On (SSO)** to protect Web Application**.**
* Hands on experience in generating **SSL Certificates** by using the tools like **OPENSSL and Javakeytool** and configure the SSL certificates in the Production Environment for organisation products.
* Integrated Splunk into Java-based applications to centralize log collection, management, and real-time monitoring of application logs, ensuring faster debugging and performance optimization.
* Created and managed log aggregation and indexing strategies in Splunk for microservices and monolithic applications, enabling efficient troubleshooting and issue tracking.
* Configured Splunk alerts to notify teams of critical issues, such as application errors, performance degradation, and unusual activity patterns, allowing proactive issue resolution.
* Experience in fixing SonarQube issues and OWASP dependency-check project dependencies vulnerability issues.
* Utilized Apache Maven for build automation and dependency management in Java projects, improving development efficiency.
* Configured Maven pom.xml files to manage project dependencies, plugins, and build configurations for multi-module projects.
* Utilized Gradle for automating the build process of Java applications, streamlining tasks such as compilation, packaging, testing, and deployment.
* Managed project dependencies using Gradle’s dependency management system, automatically resolving transitive dependencies and conflicts.
* Utilized Apache Ant for automating the build process of Java applications, simplifying compilation, packaging, and deployment tasks.
* Developed and maintained custom build.xml files to define build targets, enabling flexible and reusable build configurations using Ant.
* Developed dynamic web applications using **Angular**, integrating state-of-the-art features such as Signals API for enhanced reactivity, optimizing component rendering with zoneless architecture, and leveraging improved SSR (Server-Side Rendering) for performance gains.
* Collaborated with backend teams to build full-stack solutions, utilizing RESTful APIs and GraphQL for seamless data communication between the client-side Angular applications and server-side services.
* Experience in cloud native technologies and apps hosted in Cloud environments like **AWS and GCP**.
* Experience in working with **Docker and Kubernetes** environment.
* Hands-on experience on **CICD** pipelines with DEV ops technologies like **Jenkins**, **Sonar**, and **Docker**.
* Experience in Messaging systems like **ActiveMQ, Rabbit MQ, Kafka and Vertex**
* Expertise in estimations, planning, design solutions, development, testing and deployment activities.
* Highly motivated, Pro-active and possess excellent technical, interpersonal &  
  problem-solving skills and motivating others to produce results on time.
* Strong planner and organizer with demonstrated ability to master new concepts quickly, incorporate the latest technology and develop business solutions that increase efficiency, productivity, and profitability.
* Excellent documentation and presentation skills.

**SKILL SET**

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| --- | --- |
| **Programming Languages** | Java 8,11,17 |
| **Java Technologies** | JavaSE, JavaEE |
| **Web Technologies** | HTML, Ajax, XML, Servlet, JSP and JSTL. |
| **Authentication and Authorization** | Single Sign on, Keycloak, Azure AD, Kerberos, ADFS, LDAP, Active Directory, OIDC, SAML, OAuth2.0 |
| **Distributed Technologies** | JAX-WS, JAX-RS. |
| **Frameworks** | Hibernate, Spring MVC, Spring Boot, Spring Security, Spring Cloud, Micro Services |
| **Database** | Oracle, MySQL, PostgreSQL, SQL Server. |
| **NoSQL Database** | Mongo dB, Elastic search, Cassandra. |
| **Messaging Server** | JMS, ActiveMQ, RabbitMQ, Kafka, Eclipse Vertex |
| **Application Servers** | JBOSS |
| **Web Servers** | Tomcat, Wild fly server |
| **Logging Tools** | Log4j, SLF4J |
| **Java Testing Tools** | JUnit, Mockito, Power Mockito |
| **Penetration Testing Tools** | Burp suite, OWASP ZAP |
| **OSS Tools** | SonarQube, Sonar lint, Dependency check, dependency track, Black duck |
| **Scripting** | JavaScript |
| **Front End Development** | Angular |
| **IDE** | Eclipse, NetBeans, STS |

**EDUCATIONAL PROFILE**

**B.Tech and M.Tech** integrated in **Software Engineering** in 2012 from **Andhra University**, Vizag, Andhra Pradesh.

**WORK EXPERIENCE:**

**Company: Digital Datum Inc**

**Client#: Wabtec Corporation Duration: Feb 2024 – Till Date**

**Project : SupplyChain Connect**

**Role : Sr Java Developer**.

**Technologies :** Java 17, Spring Boot, Microservices, Spring Security, Spring Cloud, HTML5, CSS3, SSO, OAuth2.0, OIDC, SAML, Maven 3.0, AWS S3, AWS Email Services, AWS EKS, AWS Dynamo DB, Swagger API, Docker, Kafka Cluster, MYSQL, Jenkins, PostgreSQL, Keycloak, Vertex, Elastic Search, Rabbit MQ, Mongo dB, Kafka, Cassandra, hive, web socket, Flat Files.

**Responsibilities:**

* Participate in Iteration Planning Meetings, sessions, review product catalog items along with product owners and estimate story points.
* Participate in design solutions for story point with team members and prepare technical solutions for the priority features.
* Designed and implemented Kafka-based messaging systems for real-time, asynchronous communication in a microservices architecture using Java.
* Participate in design model with data layer like data base design and coordinate with database team.
* Participate in design solutions with other module teams to analyze and coordinate for API design contract between systems as per requirements.
* Responsible to implement and integrate **Identity and access management** system **Keycloak** with FTADataView.
* Developed and optimized Kafka Producers, Consumers, and Streams API to process high-throughput data and ensure reliable message delivery.
* Configured Kafka clusters, including partitioning, replication, and leader election, for fault tolerance and scalability.
* Utilized React Hooks (e.g., useState, useEffect, useContext) for state management and lifecycle methods to control component behavior.
* Used React Query to handle server-side state and cache management for efficient data fetching.
* Implemented modern front-end features like reusable components, reactive forms, and lazy loading, ensuring high-performance, user-friendly web interfaces.
* Worked with TypeScript, RxJS, and NgRx to handle asynchronous data streams and application state management effectively in a large-scale enterprise environment.
* Involved in Uploading Downloading documents with **AWS S3**.
* Perform change and configuration management of code using Subversion and **Jenkins**.
* Involved in using **AWS Email services** to send emails.
* Architected and developed scalable, maintainable microservices using Spring Boot and Spring Cloud, ensuring a loosely coupled, independently deployable architecture.
* Created, consumed, and maintained RESTful APIs for microservices communication, ensuring efficient data exchange and integration with other services.
* Designed and implemented an API Gateway (e.g., Spring Cloud Gateway, AWS API Gateway) for centralized routing, security, and throttling of microservices traffic.
* Implemented synchronous (REST) and asynchronous (RabbitMQ, Kafka) communication patterns between microservices to handle real-time data exchange and event-driven architectures.
* Preparing Docker files, Build **Docker** images and Development in **Kubernetes**.
* Developed backend systems using Java v17, leveraging its latest features for enhanced performance and scalability.
* Implemented RESTful APIs to facilitate seamless communication between frontend and backend systems.
* Utilized Java v17’s modules and improved security features to ensure robust application architecture. Write code to consume and produce messages from **Kafka** topics.
* Write code to consume and produce messages from **Rabbit** topics.
* Integrated third-party libraries and frameworks compatible with Java v17 to streamline development processes.
* Developed backend systems using Java v17, leveraging its latest features for enhanced performance and scalability..
* Involved in using Vertx in application.
* Working knowledge on Azure Vm's, GCP Cloud compute engine and **AWS EC2** snapshots, volumes and to deploy applications in a cloud environment.
* Developed micro services with spring boot, spring cloud components of Netflix OSS(**Eureka, Resilience4j, Ribbon, Feign** )
* Implemented common **API Gateway** for micro services integration using spring API Gateway and Netflix Eureka framework.
* Responsible to implement Security Assertion Markup Language (SAML), Open Authorization (OAuth 2), **Open Identity Connect (OpenID Connect)**, JavaScript Object Notation Web Token (JWT) protocols.
* Preparing Design Documents (Technical/Functional) Documents.
* Responsible to generate **SSL Certificates** by using the tools like **OPENSSL and Javakeytool,** configure the SSL certificates in the Production Environment for organization products.
* Created Users, Roles, Privileges, Packages, Schemas as part of Security and Development using Spring Security.
* Responsible to enhancing the Software Development Life Cycle (SDLC) by adding security to remove vulnerabilities and protect business logic. Through both static code analysis and dynamic code analysis, identified and fixed the top 10 OWSAP web application security vulnerabilities by using tools like **Dependency track**, **SonarQube, Sonar Lint, BlackDuck**.
* Responsible to maintain vulnerability assessment and management process every quarter on web application to make sure no known vulnerabilities existed in the environment using both manual and automated processes. And performed penetration testing using various tools like **Burp Suite**, tools to check the possibility of exploiting web application level.
* Followed **agile methodology** during development of the project and oversaw the software development in **Sprints** by attending daily stand-ups.
* Involved in developing implementations using **Spring Boot, Spring JPA, and Spring Security**.
* Responsible for coding the logic in different layers of layered architecture.
* Developed User defined Exceptions for each request and response.
* Involved in **Client calls** on regular basis to understand the **Business requirements of the Client.**
* Implemented **Spring IOC** for delegating the request to different layers.
* Supported SIT and AT testing for fixing the bugs.
* Write code to get the data from the **Mongo DB and Elasticsearch.**

**Company: Wilco Source Technologies**

**Client: Sciex Duration: Dec 2020 – Feb 2024**

**Project : Eversana and SciexFSL**

**Role : Java Backend developer**.

**Technologies :**  Java 17, Spring MVC, Spring Jdbc, Spring Security, Node js

HTML5, CSS3, Maven 3.0, JDBC, Jenkins, Tomcat, JAX-WS, MYSQL, Postgres, Elastic Search, Rabbit MQ, Mongo dB, Kafka, Cassandra, hive, web socket, Flat Files.

**Responsibilities:**

* Responsible to translate business process requirements into system solutions.
* Worked on a proof-of-concept phase for cloud migration including build and deployment to **AWS components to EC2** and setting up **AWS S3** objects.
* Build UI components based on the mocks provided by UX team, using JavaScript, Html, CSS, bootstrap, jQuery, and React
* Integrated Kafka with Java applications using Spring Boot and implemented schema validation using Avro and Confluent Schema Registry.
* Created indexes, stored and retrieved documents in **NOSQL database Elastic Search** using elastic rest template.
* Monitored and optimized Kafka performance using tools like Prometheus and Grafana, resolving consumer lags and broker failures.s
* Developed and deployed scalable Java applications using AWS services such as EC2, S3, Lambda, RDS, and DynamoDB.
* Utilized AWS S3 for storing and retrieving files, enabling cost-effective and highly available object storage.
* Developed dynamic and responsive single-page applications (SPAs) using React.js, ensuring high performance and smooth user experiences.
* Created reusable and modular React components following the best practices of component-based architecture.
* Integrated Java applications with AWS Lambda to execute serverless functions for event-driven workflows.
* Write code to consume and produce messages from **Cassandra** tables.
* Mainly involved in deployment activities **CICD** deployment and familiar with **OSE (Open shift origin).** Also made changes in **Jenkins** Files as per the requirement of the pipeline.
* Wrote Node.js back-end and Firebase cloud functions for handling user authentication and Firestore data manipulation, resulting in a 40% reduction in authentication time and a 30% increase in data manipulation efficiency.
* Write code to consume and produce messages from Kafka topics and configured Kafka clusters with Zookeeper.  
  Developed Crone jobs with Node.js, Redis, and Express.js
* Write code to use Python features in Java by using Python.
* Followed **agile methodology** during development of the project and oversaw the software development in **Sprints** by attending daily stand-ups.
* Integrated RESTful APIs with Angular services for seamless communication with backend systems.
* Involved in developing implementations using **Spring MVC**.
* Involved in developing implementations using **SpringMVC, Spring JDBC, and Spring Security**.
* Write code to consume and produce messages from **Kafka** topics.
* Write code to consume and produce messages from **RabbitMQ** topics.
* Write code to get the data from the **Mongo dB and Elasticsearch**.
* Responsible for coding the logic in different layers of layered architecture.
* Developed User defined Exceptions for each request and response.
* Involved in **Client calls** on regular basis to understand the **Business requirements of the Client.**
* Developed Jobs module for scheduling and tracking the sync of Story boards and views, tracking them with separate API.
* Involved in configuring fluentd to collect application logs.
* Involved in getting application logs into elastic search using **fluentd**
* Involved in getting **MySQL** data into application to visualize.
* Involved in configuring **Microsoft active directory** in windows2016 server.
* Implemented **Spring IOC** for delegating the request to different layers.
* Supported SIT and AT testing for fixing the bugs.

**Company: Deloitte Consulting pvt ltd**

**Client: Eversana Duration: July 2017 – Dec 2020**

**Project : PatientPortal**

**Role :** Java Developer.

**Environment :** J2SE, Servlet, JSP, spring, SpringJDBC, Tomcat, JAX-WS, MYSQL

**Tools :** Maven, Log4j, SVN.

**Responsibilities:**

* Responsible for understanding and implementing the Business requirements of the client.
* Build UI components based on the mocks provided by UX team, using JavaScript, Html, CSS, bootstrap, jQuery.
* Involved in developing implementations using **SpringMVC, Spring JDBC, and Spring Security**.
* Followed **agile methodology** during development of the project and oversaw the software development in **Sprints** by attending daily stand-ups.
* Involved in developing implementations using **Spring MVC**.
* Responsible for coding the logic in different layers of layered architecture.
* Developed User defined Exceptions for each request and response.
* Implemented **J2EE** design patterns and core design patterns – **DAO, DTO, Business Delegate, Page Iterator and Controller and MVC patterns.**
* Involved in **Client calls** on regular basis to understand the **Business requirements of the Client.**
* Used Hibernate as the system layer to talk to the database and perform **CURD** operations. Involved in using **React JS** components, Forms, Events, Keys, Router, Animations and Flux concept. Used **JDBC** and **Hibernate APIs** to access remote oracle databases. Developed server-side services using **Java multithreading** (**Core Java**).
* Optimized application performance using lazy loading and AOT compilation techniques provided by Angular.
* Spring ORM wiring with Hibernate provided access to **MYSQL RDBMS**. Modified **web.xml** and inject **Spring Security** to ensure back-end security and enhanced do Post method in **servlet** to avoid multiple submissions.
* Implemented **Spring IOC** for delegating the request to different layers.
* Supported SIT and AT testing for fixing the bugs.
* Used Hibernate as the system layer to talk to the database and perform **CURD** operations. Involved in using **React JS** components, Forms, Events, Keys, Router, Animations and Flux concept. Used **JDBC** and **Hibernate APIs** to access remote oracle databases. Developed server-side services using **Java multithreading** (**Core Java**).

**Company: Infosys Technologies pvt ltd**

**Client: PwC Duration: Feb 2013 – Oct 2016**

**Project : ContentHub**

**Role :** Java developer.

**Environment :** J2SE, Servlet, JSP, spring, Tomcat, JAX-RS, MYSQL, Grails

**Tools :** Maven, Log4j, SVN.

**Responsibilities:**

* Responsible for understanding and implementing the Business requirements of the client.
* Followed **agile methodology** during development of the project and oversaw the software development in **Sprints** by attending daily stand-ups.
* Implemented **J2EE** design patterns and core design patterns – **DAO, DTO, Business Delegate, Page Iterator and Controller and MVC patterns.**
* Build UI components based on the mocks provided by UX team, using JavaScript, Html, CSS, bootstrap, jQuery.
* Involved in developing implementations using **Spring MVC**.
* Involved in developing implementations using **SpringMVC, Spring JDBC, and Spring Security**.
* Responsible for coding the logic in different layers of layered architecture.
* Developed User defined Exceptions for each request and response.
* Involved in **Client calls** on regular basis to understand the **Business requirements of the Client.**
* Developed backend systems using Java, leveraging its latest features for enhanced performance and scalability.
* **APIs** to access remote MySQL databases. Developed server-side services using **Java multithreading** (**Core Java**).
* Implemented **Spring IOC** for delegating the request to different layers.
* Supported SIT and AT testing for fixing the bugs.
* Optimized application performance using lazy loading and AOT compilation techniques provided by Angular.