**Swapneel R**

**Email Id:** [**swap6638@gmail.com**](mailto:swap6638@gmail.com) **Ph No:** **(910) 593-2517**

**Java Full Stack Developer**

**Professional Summary:**

* Around 10 years of Professional experience in full **SDLC (Software development life cycle)** development involving requirement analysis, design, development, documentation, testing, implementation & maintenance of application software in real-time enterprise applications, Distributed n-tier architecture.
* Good experience in **Agile** and **Waterfall** projectmethodologies.
* Collaborating with **business analysts** to understand their **business models** and goals and help define strategy, content, and features.
* Experience in developing enterprise and Web Applications and Distributed Systems using technologies such as **Core Java, J2EE** (**Servlets, JSP, JSF, EJB, Spring, JDBC, Hibernate, Web Services, JMS**) and **XML.**
* Expertise in HTML5, DHTML, Bootstrap, CSS3, JavaScript, TypeScript, RXJS (Reactive Programming), Ajax, jQuery, JSON, ReactJS, Redux, Node JS, Angular JS, Angular **2/4/8/13**, ES5, ES6 and JSP Custom tags in designing web pages.
* Created user-friendly GUI interface and Web pages using HTML, Angular JS, Node JS, jQuery, and Java script.
* Strong Experience in **Core Java concepts** such as **Exception Handling, Multithreading, Stream API, and Collection APIs** to implement various features.
* Extensively worked on database applications using NoSQL, Oracle DB, SQL Server, MongoDB, PostgreSQL, DynamoDB and MySQL.
* Having expertise in BPM tools such as **JBPM** and **IBM BPM**.
* Strong programming skills in designing and implementation of multi-tier applications using web-based technologies like **Spring Boot**.
* Strong experience in producing and consuming **REST** and **SOAP** Web services.
* Experienced in moving data from various sources using **Kafka** producers, consumers and preprocess data using Storm topologies.
* Having good programming experience with **Oracle** **PL/SQL**, Triggers and Stored Procedures for the databases.
* Created **Typescript** reusable components and services to consume **REST API's** using Component based architecture provided by **Angular 11**.
* Wrote AngularJS frontend, which queried a custom **Elasticsearch** server for search terms, and hosted everything on an AWS instance with Docker containers.
* Hands on experience with an in-depth level of understanding in the strategy and practical implementation of AWS cloud-specific technologies like **Elastic Compute Cloud (EC2)**, **Simple Storage Services (S3)**, **Route 53**, **Cloud Formation**, **Elastic IPs**, **RDS**.
* Installed, configured, and administered Jenkins CI tool on **AWS** instances.
* Design and implementation of applications, performance analysis, performance monitoring, enhancements, bug fixing, unit testing, code review.
* Developed stored procedures, Queries using **MS SQL** as backend database.
* Extensively used **Junit** for unit testing and **Log4J, SLF4J** for logging.
* Knowledge on Build tools like **Maven, Gradle, GIT.**
* Basic Knowledge in **UNIX** shell scripting (**Korn shell. ksh**).
* Extensive experience in using IDEs like **IntelliJ, Eclipse, Spring Tool Suite.**

**Technical** **Skills**:

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| --- | --- |
| **Languages:** | Java 8, Java 11, J2EE, C, C++ |
| **Java/J2EE Frameworks:** | Spring, Hibernate, EJB, JSF, JDBC |
| **Operating** **systems:** | Windows, Linux, Unix and Mac |
| **Web Technologies:** | HTML, CSS, Bootstrap, Java Script, jQuery, AJAX, AngularJS, Angular 4/8/13, React JS, XML, JSON, REST, SOAP Web Services |
| **IDE Tools:** | Eclipse, IntelliJ, Spring tool suite. |
| **Methodologies & Concepts:** | Agile, Waterfall system analysis and design. |
| **Web Servers/Application Servers:** | Tomcat, JBoss, Web Logic |
| **Build Tools:** | Maven, Gradle |
| **Version Control Tools:** | SVN, GIT. |
| **Bug Tracking Tools:** | JIRA, Bugzilla, HP ALM, Quality Center. |
| **Database:** | Oracle Database, Oracle APEX, PL/SQL, Microsoft SQL Server, My SQL, PostgreSQL, MongoDB. |
| **Tools:** | Jenkins, Apache Ant 1.6, Log4j, JUnit, Splunk, Dynatrace. |
| **Cloud** | AWS, Docker, Kubernetes, Pivotal Cloud Foundry. |

**Professional** **Experience**:

**Client: American Express, AZ Jan 2022 – Present**

**Role: Java Full Stack Developer**

**Responsibilities**:

* Involved in the complete **SDLC** (software development life cycle) of the application from requirement analysis to testing.
* Used Core Java to develop Business Logic as **Spring Beans**.
* Configure **Spring Container** to implement **IOC/DI** of the Spring Beans, and to manage the beans’ life circle.
* Developed **Java/Spring boot** Based **Microservices** using Spring Boot.
* Worked on the Kotlin for building the backend components and API resources, experience working on JSONAPI for creating multiple API’s.
* Used Microservices architecture, with Spring Boot based services interacting through a combination of **REST** and **Spring Boot**.
* Built Restful web API with Spring, Spring Boot, and testing APIs using Postman.
* Developed and maintained scalable web applications using **JavaScript** and **Node.js**.
* Used **JSON/ XML** as response type in **REST** services.
* Designed and developed Robust User Interface using **Angular 13**, **JSF, JSP**, **JavaScript, jQuery, CSS, and HTML.**
* Built Single Page Apps using **Angular 13** and **Typescript** for Responsive Design.
* Created **Typescript** reusable components and services to consume **REST API's** using Component based architecture provided by **angular.**
* Written different Routing (SPA), modules and reusable components using **Angular 13**
* Used **MongoDB** to enable them to build standalone API’s faster, handle highly diverse data types, and manage applications more efficiently at scale.
* Worked on **Angular 11** and **Node.js** to enhance front end functionalities as per business requirements.
* Developed API#39;s by using **Node.js** and **Cassandra** (Graph DB).
* Installed **Kafka** on the cluster and configure producer and consumer coding part in java to establish a connection from source to HDFS with popular hash tags.
* Store procedure in the database and used **Dynamic SQL** to load the data.
* Integrated **Oracle APEX** applications seamlessly with **Oracle Database**, utilizing **SQL** and **PL/SQL** for data manipulation and retrieval.
* Utilized **PL/SQL** within **APEX** to implement business logic, including data validation, calculations, and workflow automation.
* Implemented a distributed message queue to integrate with **MongoDB** using **Kafka**.
* Use Rest Controllers to replace the existing operations layer, which acts as bridge between business layer and the UI.
* Built real time pipeline for streaming data using **Kafka** and Spark Streaming.
* Used **Middleware**, **Redux-Promise** in application to retrieve data from **Back-End** and to also perform **RESTFUL** services.
* Used **Docker** as a container for **Creating**, **Deploying,** and running applications. Deployed applications in **Kubernetes Clusters,** running on **Docker Hub**.
* Working on **AWS** Lambda for event driven workflow, Working on Databases, Creating and Hosting micro services on **EC2** Instances, and automating things using **JSON** Scripts, Creating Endpoints for the services, integrating through API's, involved in creation of **APIs** and **API Gateways** for by establishing Secure connection between the endpoints.
* Defined **AWS Security Groups** which acted as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
* Involved in writing **Service design documents** and was part of **Consumer** **calls** during the handover of the API’s.
* Involved in writing **Junit** test cases to ensure Unit testing, Component testing and integration testing are done before handing over to QA team.
* Used **Maven** for dependency and configuration management to add dependent **external** jars and bundles, run and deploy the application.
* Used **Bitbucket** as code repository where Git is plugged in to IntelliJ IDE to commit files.
* Performed **peer code reviews**, involved in writing test cases, evaluating the applications.

**Environment**: Java, J2EE, Spring boot, Spring framework, REST, Kotlin, JSON, XML, MongoDB, Kafka, Agile Methodology, IntelliJ, Maven, Windows, Docker, Kubernetes, AWS, PL/SQL, Oracle DB, Oracle APEX, Git, Web Services, Soap UI, Node.js, Angular 13, Postman, Swagger, and Dynatrace, JPA.

**Client: Charter Communications, NY, USA Dec 2020 – Dec 2021**

**Role: Java Full Stack Developer**

**Responsibilities**:

* Followed **Scrum Agile methodology** for the iterative development of the application.
* Involved in the Technical and High-Level Design Review Meetings with Business Customers.
* Used **spring framework, Spring-AOP, Spring-ORM, Spring-JDBC modules**.
* Worked on **Java Multithreading** and **Collections Framework** and Java **Multithreading** to refresh the cache at a given set of time intervals and used **Spring Validation framework** for Validations.
* Implemented **Spring Dependency Injection/IOC** and **Connection pooling** for Bean wiring.
* Implemented **Spring Dependencies** (**Core, MVC, Boot**) to make our application light weighted.
* Used Collections extensively to store, retrieve and manipulate objects in the business logic layer and used **JSON** as response type in **REST** services.
* Designed Java Components and integrated using **Spring** framework for **Hibernate** Object/Relational persistence mechanism (ORM Mapping).
* Configured the Hibernate configuration files to persist the data to the Db2 Database.
* Wrote complex **PL/SQL** procedures, functions, and packages to handle data manipulation, transformation, and validation.
* Wrote database queries using **SQL** and **PL/SQL** for accessing, manipulating, and updating **Oracle DB.**
* Tuned **PL/SQL** code for improved execution speed and reduced resource consumption.
* Collaborated with cross-functional teams including developers, testers, and business analysts to understand requirements and deliver solutions.
* Developed stored procedures to encapsulate complex data operations, enhancing code reusability and maintainability.
* Developed the User Interface screens using **HTML 5, jQuery, CSS3, ReactJS, java script.**
* Developed Single Page Applications (SPA's) using **React- router**.
* Used **React-Autocomplete** for creating google map’s location search on the webpage Added **Excel-Builder** to download the **Tabular data** in Excel format using **React**. Also Implemented the Drag and Drop functionality using React-Draggable.
* Worked on creation of custom **Docker** container images, tagging, and pushing the images.
* Deployed applications in **Kubernetes Clusters,** running on **Docker Hub**.
* Implemented a Continuous Delivery pipeline with **Docker**, **Jenkins** and GitHub and **AWS** AMI's.
* Involved in provisioning **AWS S3** buckets for backup of the application and sync these contents with remaining S3 backups, by creating entry for AWS S3.
* Leveraged **AWS** cloud services such as **EC2**, auto-scaling and VPC to build secure, highly scalable, and flexible systems that handle expected and unexpected load bursts.
* Involved in reviews of Test Scenarios to ensure the requirement coverage.
* Extensively used **GIT** version control system to co-ordinate with the team.
* Mentor development team on processes, best practice.
* Involved in Unit testing, **Quality Assurance**, **User Acceptance Testing** and **Bug Fixing**.

**Environment**: Java, JDK, J2EE, HTML5, CSS3, Angular JS, XML, JSON, JQUERY, Struts, Hibernate, Spring Boot, Spring Batch, Spring DAO, Spring IOC, AWS, PL/SQL, Oracle DB, MySQL Server, JMS, JNDI, Maven, RMI, Eclipse IDE, UML, JIRA, Rational Clear Case, LINUX.

**Client: Cigna, St. Louis, Missouri Jan 2019 – Oct 2020**

**Role: Java Developer**

**Responsibilities**:

* Actively participated in **agile scrum** meetings and status calls daily.
* Created use cases, class diagrams, activity diagrams and collaboration diagrams.
* Developed dependency Injection using **Spring Framework**.
* Developed **GSA, LSS and SDL** using C**++, multi-threading, and socket programming**.
* Extensively worked with **Servlets** and **spring** based multitier applications in developing **J2EE** Components.
* Used table per hierarchy inheritance of hibernates and mapped polymorphic associations.
* Developed continuous monitoring systems with **Node.js**, enabling teams to receive real-time alerts in critical situations, ensuring swift response to emergencies.
* Validated the **DB Queries** and Stored Procedures for efficiency and performance.
* Developed UI pages with **HTML, CSS, JavaScript,** and **AJAX**.
* Developed **REST** web services using **Node.js.**
* Designed the application by implementing **JSF** Framework based on MVC Architecture.
* Extensively used **Ajax** for displaying/Retrieving data.
* Deployed the developed application on **Tomcat application server**.
* Deployed Application in **JBoss** servers.
* Performed code build and deployment using **MAVEN**.
* Done thorough code walk through for the team members to check the functional coverage and coding standards.
* Implemented **Jenkins** jobs to create **Azure** Infrastructure from GitHub repositories containing Terraform code and created on-premises active directory authentication using automation with ansible play books.
* Used **GIT** for version control of the code and configuration files.
* Used **Log4j** to capture the log that includes runtime exceptions and created log files daily.
* Meeting the deadlines for delivering the services.
* Performed peer code reviews, involved in writing test cases, and testing the applications on various operating systems and browsers.

**Environment**: Java, J2EE, JSP, HTML5, Spring framework, C++, Servlets, JavaScript, jQuery, Node.js, AJAX, JDBC, REST, JSON, GIT, Gradle, Agile Methodology, Angular 8, PL/SQL, Hibernate, Eclipse, Maven, Jenkins, Azure, Unix, XML, GitHub, JBoss

**Client: Virtusa, Hyderabad, India Oct 2016 – Dec 2018**

**Role: Java Developer**

**Responsibilities**:

* Actively participated in **agile scrum** meetings and status calls daily.
* Understand the **business** **requirements** and analyze the course of action, as currently billing is done by a middleware run on mainframe.
* Extensively worked with **Servlets** and **spring** based multitier applications in developing **J2EE** Components.
* Developed dependency Injection using **Spring Framework**.
* Involved in creating **Hibernate POJO** objects and mapping using Hibernate annotations.
* Extensively used triggers, stored procedures, indexes, **sub-query, joins,** views & sequences.
* Developed UI pages with **HTML, CSS, JavaScript, and AJAX**.
* Designed the application by implementing **JSF** Framework based on MVC Architecture.
* Used **JSP** pages to provide dynamic content to **HTML** Pages.
* Responsible for designing, development and delivery of the Workflow process using **JBPM**.
* Modified the presentation **JSP’s** based on requirement and include client-side validations using **JavaScript**.
* Used **JMS (Java Messaging Service) for asynchronous** communication between different modules.
* Handled the critical and complex modules of the project independently and delivered all the modules.
* Performed code build and deployment using **MAVEN**.
* Developed **test cases, plans,** and executed the different cycles of tests and documented the test results.
* Used **Log4j** to capture the log that includes runtime exceptions and created log files daily.
* Interacted closely with the **QA team** to understand and fix issues.
* Actively used **Eclipse IDE** for building, developing, and integrating the application.

**Environment**: JDK, J2EE, Spring, Hibernate, Bootstrap, REST, HTML, JMS, Servlets, JBPM, JSP, JSTL, JDBC, Eclipse, WebLogic application server.

**Client: EPAM Systems, Hyderabad, India Aug 2013 – Sep 2016**

**Role: Java Developer**

**Responsibilities:**

* Participated in requirements gathering, analysis, Conceptual Design and Details.
* Involved in development and finalization of initial design of the application and worked with

content managers, copywriters, and designers to resolve the issues.

* Implemented all UI modules for the product using **JavaScript, AJAX,** and **jQuery**.
* Implemented the editor component with spell-check using **AJAX, JSON.**
* Integrated jQuery Grid View for all Data View for the product.
* Used **jQuery** **CSS** selectors, toggles, and hover functionality, ToolTip, Ajax Forms.
* Created cross browser UI components using various **jQuery**.
* Worked with full UI control of **HTML/CSS,** maintaining code and cleanliness.
* Implemented the presentation layer with **HTML, DHTML, jQuery, Ajax**, and **CSS.**
* Displayed on demand data to the user using **Ajax.**
* Extensively used **jQuery** plug-ins like Image Light box, Ajax Queue, Auto Populating select-box,

Search plugin, calendar plug-in, AJAX-queue plug-in, and auto populating multiple select-

boxes.

* Written and implemented **CSS** throughout the site, both as in-line and imported files.
* Written and implemented **Object Oriented JavaScript** throughout the site, both as in-line and

imported files.

* Created role based **DHTML** navigation menu, menu items change dynamically, derived from the

database.

* Timely delivery of the assigned projects.
* Monitor site for any UI inconsistencies and fix all the UI bugs reported in the test track.
* Worked on multiple projects simultaneously.
* Attended project meetings on a regular basis and helped to improve the Project workflow.
* Involved in daily scrum meetings, worked on the sprint tasks in the **Agile Scrum development**.

**Environment**: JavaScript, jQuery, Core Java, CSS, AJAX, HTML, DHTML, XML, DOM, Photoshop 5, PHP,

MySQL, and Eclipse IDE.