**Sahil Jain**

**(Full-Stack Software Developer)**

**2017193631**

**SUMMARY:**

* **Java Developer with 8+ years** of experience in professional software requirements gathering,

analysis, design, development, testing, and implementations in the areas of Enterprise and Web

applications using **Java, J2EE**.

* Extensive understanding and experience in the SDLC phases with various methodologies such as

Waterfall, Incremental and Agile Models.

* Excellent programming skills in **HTML, CSS, JavaScript, Bootstrap, ReactJS, Redux, JSP, Jade, PHP.**
* Experience in configuring, deploying the web applications on WebLogic, Web Sphere and JBoss

Application Servers, hands on experience in using Tomcat and IBM Web Servers.

* Extensive experience in Design, Development, and implementation of Model-View-Controller (MVC)

(Spring, Struts, ORM Frameworks).

* Experience in interacting with the databases such as **Oracle, MySQL, JDBC, NoSQL, MongoDB, PL/SQL, Apache Derby, Liquibase, JPA, Hibernate.**  and expertise in writing SQL queries to perform various operations.
* **IDEs and Tools:** Eclipse, Visual Studio Code, Android Studio, Docker, Maven, JIRA, Git, Jenkins, Linux, Node.JS, NPM
* Technical hands-on experience in using the Integrated Development Environments such as **Eclipse, Net**

**Beans, IBM RAD and Intellij**

* Well versed with code review and architectural design
* Experience in scripting technologies like Maven, Gradle, Shell, and ANT for Build, Domain creation and

Deployment.

* Excellent experience in developing and consuming Web Services using technologies like **SOAP, WSDL,**

**JAX-RS and RESTful.**

* Extensive experience in implementation of the version control software SVN, Harvest, Git and Perforce.
* Experience in tracking defects, issues, risks using Jira.
* Development: **AWS, Data Structures, Big Data Analytics, Spring MVC, Spring Boot, Django, Servlet, Design Patterns.**
* Testing: **JUnit, Mockito, Google Test, Google Mock**
* WebServices: **RESTful API, HTTP, SOAP, Apache Tomcat Server, JSON, XML.**
* Networking: TCP/IP, Web Application Security, Wireless Security, Cryptography, DNS
* Solid experience on Unit and Product Testing with J-Unit tools.
* Worked on various operating systems like **Windows, Linux, and Mac-OS**.
* Strong experience in process development writing technical reports, documents, and status reports.
* Ability to communicate clearly & concisely to both business and technology teams with my excellent written & oral communication skills.
* Self-motivated, quick learner, willing to adapt new technologies & challenges.

**Professional Certifications –**

* AWS Certified Developer Associate,
* AWS Certified Solution Architect, AWS Certified Cloud Practioner,
* Certified in C, Python, Java, Oracle, Data Analytics Web Development & PostgreSQL by Udemy,
* Machine Learning by Udemy
* Algorithmic trading by Qu antra

**Technical Skills:**

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| --- | --- |
| **Languages** | **Java, Python, Perl, React, C, C++, SQL**, Scheme, Tcl / Tk, Visual C++, Korn Shell, XML, JSON,Web Services, **REST, SOAP**, Apache Axis, Apache CXF, **J2EE, Servlet, Spring**, EJB, ESB EMB,**Node.js, Scala,** SwiftUI, and XSLT. |
| **Protocols** | MPLS, H.323, SIP, TCP/IP, RSVP, L2TP, CR-LDP, RADIUS, DHCP, SSL, UDP, IPsec and HTTP |
| **Methodologies/Design patterns** | OOAD, **OOP, UML, MVC**, DAO, Factory pattern, Session Façade, **Singleton, Agile, Scrum**, Test Driven Development. |
| **Web Technologies** | JSP, Servlets, **jQuery, React.JS, Node.JS**, EJB, **Hibernate, Struts, Spring**, JDBC, HTML5, DHTML and XML, **CSS3**, Web Services, WSDL, SOAP, MQ Series, **Kafka**, Spring Boot, Express.js. |
| **Web Services** | SOAP, RESTful Web Services |
| **Frameworks** | Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP. |
| **Application/Web Servers** | Glassfish 2.1, WebLogic, Web Sphere, Apache Tomcat Server. |
| **IDE Tools** | Eclipse, Rational Application Developer (RAD) and NetBeans, STS. |
| **Databases** | **Oracle 11g, MySQL, SQL, MongoDB**. |
| **Reporting/Messaging Tools** | **Apache Kafka**, Rabbit MQ. |
| **Cloud** | **AWS, CloudWatch, DynamoDB**, S3, EC2, Lambda, API gateway, **Microsoft Azure**, Compute and Execute, Google Cloud. |
| **Version Control Tools** | CVS, SVN, Clear Case, Git. |
| **Tools** | Rational Rose 2000, JBuilder 3.5/5.0, Visual Cafe 4.0, eclipse 3.X, MS-Office. |
| **Operating System** | Windows, Linux, Unix, Mac, Solaris. |
| **Reporting Tools** | PowerBI, Tableau |

**PROFESSIONAL EXPERIENCE:**

**Ernst & Young May 2022– Present**

**Analyst – Backend Engineer**

**Responsibilities:**

* Involved in the analysis, design, and development and testing phases of Software Development Lifecycle(SDLC).
* Used **Spring MVC** as framework and JavaScript for client-side view, used frameworks for client-side

data validation, creating dynamic web pages- **Ajax, jQuery**.

* JavaScript views for different parts of a webpage that reads Json service response and renders

views, dynamically.

* Used Spring Framework for DI/IOC and ORM components to support the Hibernate tool.
* Used Core Java classes to implement business logic.
* Used Spring AOP and Spring Security for user authentication, single sing on, data integrity.
* Used XSLT to transform my XML data structure into HTML pages.
* Consumed SOAP based web services to receive membership, service data for users.
* Used SoapUI to test service responses from the production environment.
* Used Spring-Hibernate integration and JPA ORM in the back end to fetch data from Oracle and

MYSQL databases

* Used Spring JDBC and Hibernate Session Factory for DB Transaction Management.
* Used Hibernate Query Language to fetch data from **Oracle Database**.
* Monitored the error logs using Log4J and fixing the problems, configured log4j.xml.
* Developed JUnit, test cases for unit test of all developed modules.
* Deployed and tested Applications on Tomcat and WAS.
* Managed administration of Tomcat Application Server and Websphere Application Server.
* Wrote Shell scripts to automate archiving log files, start services.
* Used GIT for Version Control Management.
* Followed TDD and wrote unit test cases using **JUnit.**
* Eclipse was used for Project Development.

**Environment:**: Java, J2EE, Core Java, Spring, Spring Transactions, Spring AOP, Spring MVC, Spring Batch,

Hibernate 3.5, XML, SOAP, WSDL, AJAX, Cassandra, jQuery, HTML, JAVASCRIPT, CSS, Log4J, JAXB,

JUnit, Tomcat 6, Websphere Application Server 6.0, Eclipse, MySQL, Oracle 10g.

**Siemens Corporation Sept 2021– May 2022  
Full Stack Software Engineer – Java**

**Responsibilities:**

* Involved in SDLC Requirements gathering, Analysis, Design, Development and Testing of application developed using AGILE methodology.
* Extensively used Hibernate in data access layer to access and update information in the database.
* Implemented Object-relation mapping in the persistence layer using hibernate framework in conjunction

with Spring functionality.

* Developed the entire application implementing MVC Architecture integrating JSPwith Hibernate and

spring frameworks.

* Used Web services –REST for getting required information from thirdParty.
* Extensively worked on JMS using point-point, publisher/subscriber messaging Domains for implementing
* Exchange of information through Messages.
* Created build plug-ins using Gradle, multiple configuration files with log4j for environment specific.
* Maintained back-end database by updating Oracle 11i on daily and weekly basis by creating

triggers and stored procedures.

* Worked on XMLparsing by using JAXB for XML Schema Validation.
* Implemented Unix shell scripts for testing and various purposes.
* Responsible for configuring and deploying the builds on IBM WebSphere App Server
* Implemented logger for debugging and testing purposes using Log4j.
* Used Perforce as source control and Version Management.
* Used IntelliJ as the Java IDE in the development of the application.

**Environment**: Java 6, Core Java, Spring 3.2.5, Spring Jdbc, AOP, Web services using JAX WS, Rest

Services, Hibernate, IBM Websphere application ServerLog4j, Perforce, Apache Web server, HTML, JDBC,

JMS, IntelliJ, Gradle, Jenkins, UNIX, HTML, CSS, XML, Java Script, Oracle, SQL, TOAD, SOAP UI, Jira.

**Cerner Corporation Jan 2018 – Sept 2021**

**Full Stack Software Engineer – Java**

**Responsibilities:**

* Worked on Agile methodology in implementing this project.
* Participated in the complete life cycle of the project (SDLC) (Analyzing the requirements, designing,

development and testing.

* Involved in developing the UI, layout and front-end programming for web application that matches

requirements of the client.

* Extensively used Core Java concepts for the development of the application.
* Worked with **advanced MVC framework such as Spring-IOC, Spring Boot, MVC and Spring Batch** which is

used for implementing backend functionality.

* Used Hibernate, object/relational-mapping (ORM) solution, technique of mapping data
* representation from **MVC model to Oracle Relational data model** with SQL-based schema.
* Developed ANT scripts for builds and deployments.
* Used JUnit framework for unit testing of application and Log4j to capture the log that includes runtime

exceptions.

* Deployed the application on IBMWeb Sphere Application Server.
* Worked on TOAD to perform SQL tasks
* Involved in supporting Production support team for any application related issues.
* Monitored Production logs using Splunk tool.
* Worked on WinSCP and Putty to login into the server to perform static content changes, monitor logs on
* the lower environments with various UNIX commands
* Worked on AutoCm to build and deploy application.
* Developed and tested the applications using IBM Rational Application Developer (RAD) IDE.
* Worked on Harvest which is used as a version control tool in the project.
* Working closely with QA team and coordinating on fixes

**Environment**: Java/J2EE, REST WebServices, Spring 3.2.5, Spring Jdbc, Security, Apple Pay, Android Pay,

IBM Websphere application Server Log4j, Harvest, JSP, jQuery, JDBC, IBM RAD, ANT Build, AutoCm, Splunk,

UNIX, HTML, CSS, XML, Java Script, Fiddler, Oracle, SQL, TOAD, SOAP UI, Jira.

**Neene Inc Sept 2017– Nov 2017**

**Full Stack Software Engineer – Java**

**Responsibilities:**

* Rendered solid technical expertise Software Development Life Cycle and Java technologies to develop applications based on specific client requirements.
* Develop highly interactive and customized UI’s using **JavaScript, Ajax, HTML, CSS and jQuery**.
* Performed unit testing of applications by developing test cases in Junit.
* Enhanced the quality of code and improved application performance leading to zero vulnerable application.
* Worked with advanced MVC framework such as **Spring-IOC, Spring Security, MVC and Spring**
* Batch which is used for implementing backend functionality.
* Implement multi-threading and exception handling to improve application functionality.
* Developed REST APIs and responsible for parsing XML using JAX-RS.
* Monitor the production transactions using Splunk and AppDynamics dashboards to trace any

application errors.

* Implemented **functionality to support Apple Pay and Android Pay as an option for payments to customers**.
* Persist data using Spring JDBC and improving the performance of the SQL queries.
* Responsible for build and deploying applications in IBM WebSphere application server.

**Environment**: Java/J2EE, REST Webservices, Spring 3.2.5, Spring Jdbc, Security, Apple Pay, Android Pay,

IBM Websphere application Server Log4j, Harvest, JSP, JQuery, JDBC, IBM RAD, ANT Build, AutoCm,

Splunk, UNIX, HTML, CSS, XML, Java Script, Fiddler, Oracle, SQL, TOAD, SOAP UI, Jira.

**Panasonic Corporation of North America June 2016 – May 2017**

**Full Stack Software Engineer – Java**

**Responsibilities:**

* Involved in Software Development Life Cycle (SDLC) - design, coding, testing, and documentation using

Rational Unified Process (RUP) for analysis and design of the application.

* Used AngularJS to create views to hook up models to the DOM and synchronize data with the server as SPA.
* Responsible for **JAVA, J2SE/J2EE, JBPM, EL, and Java FX coding/development**.
* Worked extensively on the front-end side using **JSP, HTML, JSON, AJAX, CSS3, JavaScript, JQuery, HTML,**

**and JavaScript.**

* Used Twitter Bootstrap to create responsive web pages which can be displayed properly in different screen

sizes.

* The application used was developed in Java/EE based on Spring Web MVC framework.
* Utilized **Spring RESTful API** to create RESTful Web Services, set JSON data type between front-end and the

middle-tier controller.

* Created and consumed SOAP Web Services, for securely retrieving and consumption of consumer data

through WSDL.

* Implemented Authentication and Authorization with Spring Security and participated in coding Spring AOP

components for the Logging, Exception handling and Transactional Model to handle many requests.

* Generated Excel and PDF report by Apache POI.
* Used Spring Data JPA as Persistence framework to interact with **Oracle 12c database**.
* Developed a single page application using **HTML5, JavaScript and Angular2** and customized the web features

by **CSS3 and Bootstrap**.

* Used Angular2 Http service for making requests to backend services.
* Launched and configure the **AWS EC2 service**, wrote Docker File and deployed the module in Docker

Containers.

* Used Mule ESB to enable data exchange between applications by utilizing ActiveMQ, Http, File System and
* SFTP transport.
* Used Test-Driven Development technique and implemented test cases using JUnit.
* Used GIT for maintaining the version of the application and **Maven** as a build tool.
* Working in an Agile/Scrum Development environment with frequently changing requirements and actively
* Participating in daily scrum meetings and reviews with biweekly sprint deliveries.

**Environment**: Spring Web MVC, Spring Data JPA, Oracle 12c database, RESTful web services, SOAP Web Service,

WSDL, Spring Security, Spring AOP, Angular JS, Apache POI, HTML5, CSS3, JavaScript, Angular2, Bootstrap, AWS EC2,

Docker, Mule ESB, Junit, Jenkins, GIT, Maven, JIRA, Agile/Scrum, Windows Variants.

**ACADEMIC PROJECTS:**

●  Built a Full Stack App using C# and SQL Server which keep track of credit cards using asp.net web API CRUD operations with angular.

●  Developed Full Stack App using C# and SQL Server which keeps track of students using asp.net web API crud with swagger.

●  Built Diabetes Prediction model using MLP Classifier and confusion matrix using libraries like NumPy, pandas and sky kit.

●  Developed a smart model using NLP and AI which uses OCR to convert image to sound.

●  Built a Note taking app, a Magic 8 ball app and ATM Console Application using C#.

●  Built Habit Tracker using Core Data and CRUD operations which makes use of Swift UI notifications.

●  Built a Random Password Generator using Java Console application which involves use of digits, symbols, and char.

●  Built an interactive Snake Game using Java which also incorporates a score count and an object apple to maintain.

●  Built interactive dashboard in Tableau with dataset of Customers orders with plotting using Doughnut charts, KPI’s, Pie Charts, Funnel Charts, Ribbon Charts & Maps.

●  Developed dashboards and reports using Tableau with a dataset of sales of a product based on country with the help of Tree Maps, Waterfall charts, Tables, Scatter plots & Point Maps.

●  Created and developed dashboard in Tableau with Customer sales by product and visualizing it by stream graphs, histogram, Combo charts, Heat Maps & Box & Whisker Plots.

●  Built Diabetes Prediction model using MLP Classifier and confusion matrix in Python using libraries like NumPy, pandas and sky kit.

●  Developed a smart model using NLP and AI in Python which uses OCR to convert image to sound.

**Bhabha Atomic Research Center June** **2014 – March 2015**

**Full-Stack Software Developer**

●  Developed the backend for PC based Temperature Controller using Java 7 and Relational Database in SQL on Oracle 9g.

● Designed and Developed SWING Java based desktop Front-End for user to access and interact with the system.

**PROJECTS:**

The City Library Designed and implemented Real-Time Database Management System in SQL on MySQL. Built Conceptual Model and mapped it to Relational Schema. Implemented Triggers and Complex Constraints to automate special library functions. EDUCATION ∙ Master’s in Computer Science New Jersey Institute of Technology - GPA:3.8/4.0 ∙ Bachelor’s in Computer Engineering University of Mumbai - GPA: 3.5/4.0

**EDUCATION:**

● **Master’s in Computer Science**  
New Jersey Institute of Technology - GPA:3.8/4.0

● **Bachelor’s in Computer Engineering**

University of Mumbai - GPA: 3.5/4.0