

# SURAJ J

Chicago, IL • (737) 372-7381 • [surajtx95@gmail.com](mailto:surajtx95@gmail.com) • [Suraj LinkedIn](#)

## PROFESSIONAL SUMMARY:

- **Around 8+ years of experience in requirements** gathering, deployment of Web Applications and client server multi-tier applications using **Java/J2EE** technologies.
- Expertise in Software Development Life Cycle (**SDLC**) like Analysis, Design, Development, Testing, Implementation, Enhancement, Production Support and Change Management of business applications, even used methodologies like Agile Scrum, Waterfall and TDD development.
- Extensive expertise with **Java, J2EE, JSP, JDBC, Servlets, JavaBeans, JBoss, JavaScript, Angular, jQuery, CSS, Ajax, JSON, XML, Struts, Spring, MicroServices, Springboot, Hibernate** and **OraclePL/SQL**.
- Proficient in crafting highly interactive web applications, leveraging a tech stack that encompasses JavaScript, HTML5, **CSS, JSON, Angular JS**, Bootstrap, **jQuery**, SQL, and the Microsoft Azure platform.
- Possessing extensive expertise in web technologies and standards, ensuring optimal user experiences across web and mobile platforms, including responsive web user interfaces.
- Expertise in different open source frameworks like **Struts2.0/2.1, spring4/5** and **ORM** Technology like **Hibernate 3.0, IBatis, Mybatis, jQuery**.
- Good hands on experience with **Java 8** newer features like **StreamAPI, TimeAPI, CollectionAPI, lambdaexpressions** to migrate the existing applications.
- Developed applications using latest technologies like **EJB3.0, Hibernate3.2/4.x, Spring2.x/3.x/4.x**, and **REST** based **Webservices (axis2.0, JAX-WS 2.0, JAX-RS2.1, Jersey 2.26+)**, Rule Engines (Drools4.1, ILOG), **XMLAPI** and tools.
- Good Experience in developing the Single Page Applications using **AngularJS** and **React.js**.
- Proficient in developing **Front-end** systems with **HTML5/CSS3, DOJO, JavaScript, jQuery, Ajax, JSF, React JS, Bootstrap, Tag Libraries**, Custom Tags and **JavaScript** Frameworks such as **Require.js, Backbone.js, AngularJS, NodeJS, React JS**.
- Expertise with frameworks like **AngularJS, jQuery** in web presentation layer with **servlets, JSP, SpringMVC** at the web controller layer.
- Experience on working with Custom Directives, Controllers, Services, filters modules of **AngularJS**.
- Expert in TSQL DDL/DML, perform most of the SQL Server Enterprise Manager and Management Studio functionality using T-SQL Scripts and Batches. Worked on Amazon Web Services, Office 365 and **Google Cloud** issues.
- Good Experience on **MVC** frameworkslike **Angular9/8/7** for creating Single Page Application (**SPA**) using concepts like Routing, Dependency Injection, Observables, Services, Ng Zones, Components and Directives.
- Experience in **ServiceOrientedArchitecture (SOA), SOAPWebservices, RestfulAPI** and **microservices** architecture and in integrating **REST, SOAP** services using **WSO2**.
- Extensive experience in developing **Restful (JAX---RS)** web services, **JSON** as a data exchange format to integrate custom web applications and various enterprise systems and application modules.
- Experience in Web/Application Servers such as **Tomcat 6/7, OAS** and Apache server for deploying and configuring web applications.
- Hands-on experience includes working with **CSS** Background, CSS Positioning, CSS Text, CSS Border, CSS Margin, CSS Padding, CSS Table, and CSS Behaviors, demonstrating proficiency in CSS styling and layout techniques.
- Developed Page layouts design with the help of **HTML5** and **CSS3** with the help of CSS pre-processors Less for creating clean and faster style sheet and responsive by Media Queries.
- Expertise in developing web services using **WSDL, RESTFUL** and **SOAP** used **NodeJS, Grunt JSMVC** framework for developing the **Single Page Application (SPA)**.
- Designed and executed an advanced development platform, conducting Proof of Concept (POC) assessments with frameworks such as **Angular, React JS, Node JS, and NPM**.

- Experienced in deploying **J2EE** applications on **ApacheTomcatwebserver** and **WebLogic, JBoss** application serverin consuming **SOAP** web service using **ApacheCXF** and **Axis** frameworks.
- Worked on design pattern like**DAO, DTO, AbstractFactorySDO, BO, Singleton, Interface, TO.**
- Experience in using text-Editors like **Eclipse**, Sublime Text and **Notepad++** and Robust design and development experience in **J2EE** including **JSP, Servlets, JDBC** and **JMS**.
- Experience on with the **cloud** technologies like using **AmazonWebServices (AWS), MicrosoftAzure, pivotalcloud** Foundry (**PCF**) in various environments.
- Involved in deploying systems on **Amazon Web Services (AWS)** Infrastructure services **EC2, S3, SQS, SNS, Cloud** Formation, **dynamo DB, lambda, cloudwatch** etc.
- Developed **unit** and integration tests for existing **microservices** using **JUnit, Mockito** and **Docker** experience on **UNIX, Linux** platforms, developed **shellscripts** and configured **CRON** jobs.
- Hands on experience of Build & Deployment phases and usage ofContinuous Integration (**CI/CD**) tools and Used **Maven** and **Jenkins** as build tool for deploying the application.
- Experience in writing queries using **Oracle10g, MySQLandNoSQL** database **MongoDB**carries out various other technical and nontechnical tasks related to full Stack software development.
- Expertise in writing **JUnit** test cases for system testing used **Log4j** for **logging** and Diagram Experience with **ActivityBPM** and **BPMN 2.0**with **SVN, GIT** and **GITHUB** for version control and Quality Center, **HPALM, Jira** for **bugtracking**.

#### TECHNICAL SUMMARY:

<b>Languages</b>	JAVA 6/7/8, PHP, JavaScript, and PL/SQL
<b>Web Technologies</b>	HTML, XML, CSS, Java Script,Angular JS, Angular 9/8/7, AJAX, JSP, jQuery,DTD, Java Beans, JMS, React.js, Node.js
<b>J2EE Technologies</b>	Servlets, JSP, JSF, Servlets, JMS, JNDI, Web Services, JDBC, SOAP, RMI
<b>Methodology</b>	UML, MVC, Agile, Scrum, Waterfall
<b>App/Web servers</b>	Apache Tomcat, Weblogic, Apache Server, JBoss, Kafka
<b>Applications Frameworks</b>	Spring 4/5, Hibernate, Struts, JSP, Spring Boot, Spring MVC
<b>Web Services</b>	SOAP, WSDL, AXIS, JAX---WS, REST, JSON, JAX---RS
<b>UML tools/ Build tools</b>	Apache ANT, Maven, Jenkins, Azure, Docker, Kubernetes, PCF, CI/CD, Google cloud, JUnit, Jira, Dream viewer, Rational Rose, UML
<b>Databases</b>	Oracle, MySQL, MongoDB
<b>XML</b>	XML, XSLT, JAXB, SAX, DOM
<b>AWS</b>	EC2, RDS, S3, ELB
<b>IDE</b>	Eclipse, My Eclipse, NetBeans, JDeveloper
<b>Operating Systems</b>	Windows, UNIX, LINUX, MacOS

#### WORK EXPERIENCE:

##### BMO Harris Bank – Chicago, IL | Angular/ UI Developer | Oct 2021 – Present

**Description:** I spearheaded the migration of monolithic banking services to a highly scalable microservices-based architecture within a distributed system. My responsibilities include crafting microservices and orchestrating the infrastructure setup using Terraform. I leveraged Java, SpringBoot, and Hibernate for RESTful APIs, employing NoSQL for database management, and ensuring robust unit and integration testing with JUnit and Mockito. For seamless deployment on Amazon AWS cloud, I engineered CI/CD pipelines, automating the build process. Additionally, I manually established a Kubernetes cluster on AWS from the ground up, enhancing the system's scalability, reliability, and efficiency.

#### Responsibilities:

- Engineered and crafted web pages employing **HTML5, CSS3, Ajax, Angular 7.0** and jQuery.
- Engaged in the Software Development Lifecycle (SDLC), encompassing application design, functional and technical specifications, and UML-based use case development.
- Implemented diverse frontend screens utilizing **Angular** JS, showcasing proficiency in frontend development.

- Developed UI using **HTML5, CSS3, JavaScript, JQuery, Bootstrap** and Developed prototype and project layout skeletons using **Angular JS, JQuery, HTML5, and CSS3**.
- Interacted with the Business analysts to gather required Functional specifications documents (**FSD**) for the project completely involved in designing and developing persistence layer using **JQuery, Ajax** and third-party libraries.
- Developed reusable **UI** components using **Angular JS** used various **JQuery** and **Bootstrap** plug-in like data picker, **Bootstrap** selectors.
- Developed **TypeScript** controllers for various pages within the views, demonstrating expertise in TypeScript-based controller creation.
- Involved in **Java** code, which generated **XML** document, which in turn used **XSLT** to translate the content into **HTML** to present to **GUI**.
- Great Knowledge in creating style guides, best practices and setting UI standards for enterprise applications.
- Developed multiple enterprise applications using **Hibernate** framework, **SpringIOC, SpringMVC, SpringBoot, SpringDBC, SpringAnnotations, SpringAOP, SpringIntegration, frameworks, Restful** web services.
- Implemented **SpringIOC** for Dependency Injection and to make the code loosely coupled and **SpringAOP** for logging purposes.
- Implemented **SOAP** based **JAX-WSWebservices** interfaces for integrating multiple systems, code re-usability and consumed JMeter to test performance of **SOAPprotocol**.
- Implemented **Restful** web services which produces both **XML** and **JSON** files to perform tasks, **RESTful** web service using Jersey for **JAX-RS** implementation, which leveraged both web & mobile applications.
- Implemented **MicroServices** into existing system architecture. Developed **MicroServices** business components and **RESTful** service endpoints using **Spring Boot**.
- Implemented **NodeJS** Utility Modules, Buffers, streams, Event loops for developing the application at server side authentication and authorization for the application using **Spring Security** and **Oauth2**.
- Developed classes using core **java** concepts like **Multithreading**, Exception Handling, and Collections used Adobe Experience Manager (**AEM**) to manage and deliver digital experiences across websites.
- Defined **Hibernate** Named Queries for performing batch while defined Criteria Queries for **Microservice** used **Spring Boot** Actuator to externalize application's configuration properties for various environments.
- Deploying **Spring Boot** based **micro services Docker** and **AmazonEC2** container using **AWS** admin console provide thought leadership for **cloud** developer technology inside **Google** and collaborate with cross-functional engineering teams to streamline or improve adoption of **Google Cloud** Platform
- Used **SpringBoot, SpringSecurity** to build **Microservices** and deployed to **AWS cloud** and Used **Spring CloudAWSCore, Spring Cloud AWS** Context, and **Spring Cloud AWS** Messaging.
- Utilized **AWS Lambda** platform to upload data into **AWSS3** buckets and to trigger other **Lambda** Functions Including **AWSEC2, MongoDB** focusing on high-availability, fault tolerance, and auto-scaling.
- Extensively worked on writing complex **PL/SQL** Queries using joins, stored procedures, Functions, Triggers, Views, Cursors, Materialized Views, dB links, External views, indexes in **OracleDB&SQL** tuning to reduce time in the application.
- Worked on **MongoDB** and wrote code on find, update, save, insert data on data extraction in loading **JSON** data from the server-side content into **MongoDB**.
- Involved in writing application-level code to interact with APIs, RESTFUL Web Services using AJAX, JSON.
- Implemented Batch jobs using **SpringBatch** to ensure data integrity and consistency in the job deployed and tested the applications on Application Server Web Sphere for search/modify files used **UNIXShellScript**.
- Worked on **ApacheKafka** in building the real time data pipelines and for storing data in a distributed cluster application Deployment on **PivotalCloudFoundry (PCF)** using **CF** push and urban code deploy.
- Worked on Jenkins for continuous integration with Gradle and **GitHub** setup the Continuous Integration (**CI**) & Continuous Development (**CD**) for the application using **Jenkins**.
- Used **Docker** to collaborate code, run and deliver more securely from **Linux, Windows** server used **Log4j** for validate functionalities and **JUnit** for **unittesting**.
- Implemented configured **JIRA** issue tracking software with **Agile** plug-in across all the company functions to maintain the version of the files used **GitHub** and took the responsibility to merge code from branch to master and created new branch when further implementation started.

**Environment:** HTML5, CSS3, Ajax, Typescript, React, Angular, Node.JS, Docker, MongoDB, Responsive Web Design, Bootstrap, Micro services, jQuery, JavaScript, JSON, DOM, SCRUM, XHTML, Restful Web services, RWD, AWS (EC2, S3, IAM, ECS, Elastic Beanstalk), Jenkins, Git, Ansible and Puppet.

**Lululemon - Seattle, WA | Java /J2EE Developer | Jun 2019 – Sept 2021**

**Description:** In this comprehensive software development project, our team was responsible for a wide range of activities, including requirements analysis, design, implementation, and testing. The project leveraged a versatile technology stack that featured Spring Boot, AngularJS, and MongoDB to create cloud-based microservices and web applications. Notable achievements included the implementation of Spring MVC, the development of web data visualization services. The team also managed server-side applications, automated processes using Node.JS, and followed agile methodologies.

#### **Responsibilities:**

- Enhanced the graphical user interface (GUI), resolving navigation challenges, and offering assistance to senior web developers.
- Analyzed the technical requirements and created various models required for the project. Implemented Model View Controller (MVC) architecture using **SpringMVC** Framework.
- Implemented **JAVA/J2EE** design patterns such as Factory, **DAO**, Session, Façade, and Singleton used **NodeJS** to run Grunt tasks and compile, minifyconcert and build the project properly.
- Utilized various JavaScript and JQuery libraries, **AJAX** for form validation and other interactive features.
- Developed User Interface by using **Angular**, **HTML**, **Spring Boot**, **XHTML**, **DHTML** and **CSS3** responsible for setting up **AngularJS** framework to achieve binding data between **HTML** and **JavaScript** objects.
- Designed the frontend and developed **UI** screens as per the wireframes provided by business using **JavaScript**, **JQuery**, **Bootstrap**, **AngularJS** and **backendlayer** using **spring** framework, **Hibernate** and **XML**. **IDE** used is **Eclipse**.
- Implemented single page applications with **AngularJS** using custom directives and developed **Angular2/4** routes using route providers.
- Daily programming with Node.JS, **AngularJS**, **Bootstrap**.
- Worked on Prototyping and Implementation using Java, Node JS and AWS with **Slacker** platform.
- Used **SpringMVC** architecture with **Hibernate** to implement **DAO** code and used **RESTfulWebServices** with **XML** parsing to interact with other modules.
- Configured **KARMA** to run test specs and tested JavaScript using **Jasmine**.
- Developed **Restful** web services by using **JAX-RS [JERSEY]** for integrating multiple systems, created and read the **JSON** objects by using **JACKSON** libraries.
- Responsible for Node UI and architecture. Building components library, including Tree, Slide-View, and Table Grid.
- Configure and monitor numerous **MongoDB** instances and replica setsJava objects with **backend** database tables using **ORM** mapping in **Hibernate**.
- Implemented various design patterns in the project such as Data Access Object, Data Transfer Object and Singleton created and Designed **XML schemas** and transformed the **XML** to **XSLT** style sheet.
- Used Angular-Auto complete for creating google map's location search on the webpage.
- Design and Develop **CI/CD** Pipelines in Jenkins for automating the service deployment used **Docker** to collaborate code, deliver, and run more securely from both Windows **server**, **Linux**.
- Implemented solutions using **ElasticLoadBalancing**, **Autoscaling** groups RBAC configuration in **PCF** for user roles and responsibility.
- Used **IBM** Websphere Application Server for deploying various components of application thoroughly Unit tested the application by writing test cases for different scenarios using **JUnit**.
- Developed **Mavenscript** and builds **Maven** and continuous integration servers like **Jenkins**, **GIT** for version control management between various integration and development streams.
- Used **Jira** to **trackbugs**, prioritize and discuss the team's work in full **context** apache **Maven** tool has been used for the build and deploy the application. Monitored the Error logs using **Log4J** and fixed the problems.

**Environment:** Java 7, J2EE, Angular 6, Spring 4.0, Spring boot, Spring MVC, Hibernate 4, Microservices, MongoDB, CI/CD, PCF, JMS, JSF, CVS, REST, REST API, SOAP, log4j, JUnit, Jenkins, Kafka, XML, Groovy, Grunt, Ajax, XSD, JavaScript, jQuery, AngularJS, NodeJS, Docker, Linux, Tomcat.

#### UT Southwestern Medical Centre – Dallas, TX | Java Developer | Sep 2017 – May 2019

**Description:** The project involved in developing and implementing Microservices and RESTful services using Spring Boot and Hibernate. We enhanced data retrieval with a Java Spring launch service and created a responsive user interface using HTML5, CSS3, and AngularJS. The Java Message Service (JMS) ensured reliable component communication. Embracing agile methodologies and rigorous unit testing, we achieved robust data management and responsiveness within the dynamic project environment.

#### Responsibilities:

- Implemented **Microservices** architecture to make application smaller and independent created services to consume **RESTAPI's** using Component based architecture provided by **Angular**.
- Designed the frontend and developed UI screens as per the wireframes provided by business using JavaScript, JQuery, Bootstrap, **Angular JS** and **backend** layer using **springframework**, **Hibernate** and **XML**. IDE used is **Eclipse**.
- Experienced in handling distributed messaging **JMS** developing **scripts** for build, deployment, maintenance and related tasks **using Jenkins**, **Maven** the Application **EAR** and **RESTful** Services on **JBoss** Application Server.
- Implemented **DAO** for data access using **SpringORM/Groovy** with **Hibernate** created **SOAPwebservice**s to implement **SOA** Architecture.
- Developed **backend** logic using **CoreJava** including Collections and multithreading involved in writing **backend** Packages extensively in **PLSQL**.
- Created single page applications with nested and multiple views using **AngularUIrouter**, custom directives for reusable components used across the application.
- Used **\$http** and **\$resource** service for retrieving data from the server via **XMLHttpRequest** request object in **Angular.js** framework configured **Spring** declarative transaction manager and implemented transaction management in **DAO** layer.
- Extensively used **CoreJava collections**, **Generics**, Exception handling, Design patterns for functionality, such as **portfolio** summary and user information also **developed Services**, **BusinessDelegate**, **POJO**, Controller and **Dao**.
- Wrote **Hibernate** Criteria queries for data retrievals and have performed the **ORM** mappings to map **java** entities to database tables.
- Focused on Test Driven Development (**TDD**) thereby creating detailed **JUnit** tests for every single piece of functionality before writing the actual functionality created new customized issue type in **JIRA** for tracking custom requests in **JIRA**.

**Environment:** Java 5, HTML5, CSS, jQuery, JavaScript, AngularJS, Node.js, Bootstrap Spring, MAVEN, Spring Boot, Spring ORM, Hibernate, Microservices, XSLT, JFS, Servlets, JSP, REST API, REST, SOAP, Jira, Eclipse, SVN, GitHub, MS project, Log4J.

#### Alfa Compliance, Bengaluru - India | Software Developer | May 2015 – Aug 2017

**Description:** This software development project involved creating a feature-rich enterprise web application using Java, Spring Framework, and a mix of frontend technologies such as Angular, HTML, and CSS. It exposed its functionalities as RESTful web services with authentication mechanisms and also incorporated SOAP web services for external communication. Design patterns like Singleton and FrontController were implemented, with rigorous testing using JUnit and SOAPUI. The application's code was well-documented, tracked using JIRA, and version-controlled on GitHub. Deployment was performed on the Oracle Application Server (OAS), ensuring a robust and scalable architecture.

#### Responsibilities:

- Developed application on **Spring** framework by utilizing its features like **Spring** Dependency injection, **SpringMVC** used **MybatisAOP** in case of logging and security.
- Exposed the application as a Restful web service and implemented the authentication used **Spring** Rest Template to use the exposed **RESTWebServices**.
- Implemented Data validations for critical functionalities using **Angular** and **JavaScript** designed **front end View** with **HTML**, **CSS**, **HTML5**, **CSS3** and **JSP**.
- Implemented Responsive development using Bootstrap and **CSS3** media queries used JQuery plugins to develop the custom portal templates.
- Created web services using **SOAP**, to allow application and services to connect them over the Internet coded web service interfaces using **JAXWS**.
- Designed **WSDL's** and elaborated type definitions schemas based on corporate standards, integration and security specifications.
- Developed code using various patterns like **Singleton**, **FrontController** and Value Objects, Data Access Object used **JIRA** tracking tool for assigning and defect management.
- Developed **JUnit** test cases for **Unit** Testing and functional testing for various modules and prepared Code Documentation for future reference and upgrades.
- Involved in pretesting the **WebService** calls with **SOAPUI** using endpoints used **GITHUB** for maintaining the component and to release version management.
- Developed Validations for Client side using **JavaScript** used Eclipse as Integrated Development Environment (**IDE**) performance and browser compatibility using **AJAX**.
- Deployed web applications using Oracle Application Server (OAS) Java artifacts and Servlets as part of the new architecture.

**Environment:** Java, J2EE, Spring MVC, Hibernate, Spring, SOAP, REST, REST API, Servlets, JSP, Struts, HTML, JavaScript, jQuery, AJAX, Eclipse, Maven, Junit, SOAPUI, Log4j.

## EDUCATION:

**Master of Science:** Computer Science.

**Texas State University** – San Marcos, TX.

**Bachelor of Technology:** Computer Science Engineering.

**Visveswararaya Technological University** - Belgaum, Karnataka, IN.