**Sid Chohan**

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**Summary**

* Over 10 years of experience with complete **Software Development Life Cycle** in both Web based and Enterprise applications including requirement analysis, design, and implementation and testing with priority on **Object Oriented, Java/J2EE** and Client Server technologies.
* Experience in client Server environments including Java Platform, Enterprise Edition (J2EE), Servlets and JDBC technologies.
* Strong hands on experience in developing the **Java Enterprise Edition and Web applications on N-tier Architecture using Java/J2EE and java** based technologies such as **core Java 8,** Spring 3, **Spring MVC, Struts 2,** Servlets, JSP, Hibernate, Web services(REST and SOAP),XML, JPA, JMS and JDBC.
* Hands on experience in building projects using popular IDEs such as Spring Tool Suite (STS), Eclipse and IntelliJ.
* Good experience in implementing applications with **Model-View-Controller (MVC) / N-tier Architecture**.
* Knowledge on Design Patterns such as Front Controller, MVC, Singleton, Prototype, DAO, Factory method, Builder Pattern.
* Extensive experience as a User Interface/Front End Developer in developing web applications using HTML, XML, CSS, JavaScript, Typescript, jQuery, AngularJS and React JS.
* Strong experience in deploying applications on **IBM WebSphere, JBoss, WebLogic and Tomcat**. Experience in Log4J for logging services. Developed Rest Controllers to interact with Angular calls and React Calls.
* Experience in Unit Testing using Junit and Mockito Frameworks.
* Expertise in React JS framework to develop the Single Page Applications (SPA).
* Involved in developing applications using **waterfall, Agile** (XP and Scrum) methodologies and Test First, Test Driven Development and Service orientation architecture.
* Expertise in developing UI based GUIs using Java Applets, HTML5, DHTML, JavaScript, Typescript, AngularJS & 8, XML, DOJO, AJAX, JSF, JSP & spring form tags.
* Expert in Core Java with strong understanding of Garbage Collector, Collections Framework, Exception Handling Multithreading, Event handling, JDBC, JMS and Generics.
* Having good knowledge on and implemented functional styles of java 1.8 Lambda Expressions and functional interfaces, parallel Streams. Strong SOA and Web Services experience.
* Experience in creating real time data streaming solutions using Apache Spark /Spark Streaming, Kafka and Flume.
* Experience in Spring Framework with AOP, IOC, Data JPA, Cloud and Boot.
* Experience in developing RESTful web services using Spring Framework.
* Experience in content Management systems such as ALFRESCO.
* Experience in using Continuous Integration tools such as Jenkins and Concourse.
* Experience in EC2, S3 of Amazon web services (AWS), and Knowledge on Pivotal Cloud Foundry services.
* Experienced in developing SOA (Service Oriented Architecture) and J2EE Web Services based on RESTful, SOAP, WSDL, UDDI, JAX-WS, JAXB, JAX-RS using tools like Apache Axis.
* Programmed and prepared code for interfacing with Apache Tomcat systems.
* Competent in implementation of frameworks like JSF, AJAX frameworks and ORM frameworks like Hibernate.
* Experience on IDEs such as IntelliJ IDEA, Eclipse, Spring Tool Suite, RAD and deployment using Application Servers like Apache Tomcat, BEA WebLogic, Web Sphere, Glassfish, Camel and JBOSS.
* Experience with Selenium, JUnit, Mockito, Log4j in developing test cases and determining application functionality.
* Have pretty good experience and understanding on partition of **Kafka** messages and setting up the replication factors in Kafka Cluster and have also used **Spring Kafka API** calls to process the messages smoothly on Kafka Cluster setup.
* Expertise in CI/CD tools like **Docker**, **Jenkins**, and **Kubernetes** for container creation and managing.
* Having good knowledge in maintaining UI using jQuery, JavaScript, JSP, HTML, CSS with JSON.
* Proficient in writing ANT and Maven for builds and deployments to different environments.
* Configured SQL Server Master Data Services (MDS) in Windows **Azure IaaS.**
* Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
* Solid Hands-on experience in end to end implementation of CI and CD (Continuous Delivery), DevOps processes using AWS Code Commit AWS.
* Knowledge in building services in Google Cloud Platform (GCP) i.e. GCE instances, Kubernetes, Shared VPC
* Excellent work experience with Version Control Tools such as VSS, SVN and GitHub.
* Excellent critical and analytical thinking, written and verbal communication skills, quick learning, possess problem solving skills, and strong team player. Rigid attention to detail and ability to work independently as well within a team environment.

**TECHNICAL SKILS:**

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| **Programming Languages:** | Java 5/6/7/8, C, C++, Java, J2EE, JSP, Servlets, JDBC, Spring, EJB, JNDI, JMS, Java Beans, SQL, PL/SQL, Python |
| **SDLC Methodologies:** | Agile/Scrum, Waterfall |
| **Web Technologies:** | HTML5, SASS, LESS, CSS, CSS3, Angular JS Angular 2,4,5,6,7, NodeJS, React, SASS, Graph QL, JavaScript, JSON,AJAX, XML, jQuery, React MDL. |
| **Cloud:** | AWS, AWS cloud watch, GCP, Terraform, Microsoft Azure |
| **Frameworks:** | Spring MVC, Spring Boot, Spring Cloud, Struts, Hibernate |
| **IDE & Tools:** | Eclipse, Notepad++, Sublime Text 3, Visual Studio Code, Visual Studio Code. |
| **Application Servers:** | Apache Tomcat, WebSphere, JBoss. |
| **Web Services:** | REST, SOAP |
| **Build/Development Tools** | Maven, ANT, Jenkins, Docker, Kubernetes, CI/CD |
| **Database:** | Oracle, MySQL, MongoDB, PostgreSQL, Google Friebase, Oracle 11g, Back4App, SQL Server. |

**Educational Qualifications:**

* Bachelors from Sree Rama engineering collage Tirupati Andhra, India

**Work Experience:**

**Client: MasterCard, St. Louis, MO March’ 2020 – Till Date**

**Role: Java Full Stack Developer**

**Project Description:**

This project helps Application teams throughout the Enterprise to observe and understand the exceptions or transactions that are happening in the processes they are interested in. The IT Applications in an operational area needs to feed the transaction data and/or create Work items in Transparency Engine via a REST API. Legacy systems use Solace MQ to push the work items or transaction data. Transparency Engine can analyze and visualize the data and provide intuitive user interfaces to the users to track the transaction status.

**Responsibilities**

* Involved in gathering and analyzing business requirements and converting them into technical specifications.
* Responsible for maintaining and expanding **AWS (Cloud Services)** infrastructure using AWS
* Stack especially worked with database setup and maintenance on AWS EC2.
* Utilized AWS Lambda platform to upload data into AWS S3 buckets and to trigger other Lambda Functions.
* Developed of Screens and implementation using JSP, HTML, CSS, JQuery and JavaScript.
* Developed Web pages from scratch using HTML5, CSS 3(using SASS) and JavaScript.
* Used Angular 4 component router for navigation. Worked with Angular 4 directives, components, pipes, and injectable. Developed Internationalization (I18N) for all modules.
* Programmed in Angular 5 to upload (post) files/images to the AWS S3 browser from the Front-end by installing NPM package of AWS-SDK.
* Designed Prototype and project layout skeletons using ReactJS, JQuery and CSS/LESS and HTML5.
* Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by Angular 5.
* Involved in the development of services with Angular (V 5, 6, 7) injectable property, as to make the service available for dependency injection when creating components.
* Closely worked with Application using **React.JS and Node.js** libraries NPM, gulp directories to generate desired view.
* Utilized create-react-app to launch product to stay update with the most current web pack and babel build configurations.
* Performed Verification and validation process for the code written by making use of Jasmine and Karma JavaScript testing framework by testing across various scenarios of the Angular 4.0 applications.
* Worked with the Node package manager (NPM) along with Gulp. Worked with SASS to build better and optimized Style sheets. Worked on integrating the application with Stripe for **payment processing.**
* Analyze suitable security implementation for the Payment Portal and secure it via authentication and authorization protocol.
* Develop security work related to user authentication got payment portal using **Spring Security**.
* Used NodeJS as a Proxy in the Application, Used Apache Kafka, Rabbit MQ and Active MQ (Message Queues) for reliable and asynchronous exchange of vital information between multiple business applications.
* Worked on Graph QL, any Queuing systems like Rabbit MQ, Kafka.
* Designed and developed RESTFUL web services using Spring Boot and Jersey framework.
* Extensively used **Core Java** such as Exceptions, and Collections.
* Used React data grid to developed tabular views in the application and used react data components to implement pagination.
* Used React lazy load to load the components lazily to improve the performance of the views in the application. Used WebLogic administrative and implementation experience with Oracle WebCenter Sites, WebCenter Content, Managed Attachments, Inbound Refinery, WebCenter Capture utilizing WebCenter Forms and Reports with Verifier as well as WebCenter Imaging built on WebLogic, integrating through AXF to the SOA Suite processing BPEL and BMP workflow
* Used Spring Boot which is radically faster in building cloud MicroServices and develop Spring based application with very less configuration.
* Development of Python API's for monitoring of data acquisition and automation of data quality check process.
* Part of team implementing REST API's in **Python** using **micro-framework** like Flask with SQLAlchemy.
* Developed restful Web-services using Django Rest framework in Python.
* Worked with various features in spring such as Spring AOP, Spring Transaction management.
* Implemented Spring Bean Factory using IOC Configured Bean properties using dependency injection.
* Migrating existing application into REST based Microservices to provide all the CRUD capabilities using Spring Boot.
* Used Swagger specification for **documenting REST API's** which exposes description of a **RESTFUL web services to different clients.**
* Worked with Netflix OSS Eureka service in spring cloud for service registration and discovery and spring config for centralized configuration and used ribbon for client-side load balancing.
* Involved in writing REST Web services in Groovy/Grails wrapped by Jersey JAX-RS.
* Created various Docker images from the Docker containers and published these images in the Docker hub repository.
* Deployed the Dockerized Spring Boot application using **AWS Elastic Bean Stalk (EBS).**
* Worked on Deployment Automation of all microservices to pull image from Private Docker registry and deploy to Kubernetes Cluster.
* Have implemented to reprocess the failure messages in Kafka using offset id and have worked on real time data integration using Kafka.
* Created user controls and simple animations using JavaScript and Python.
* Created AWS Lambda functions for AWS config rules using Node.js. Heavily used Lambda function on text object methods Context object properties using Node.js.
* Wrote services with Angular 4 to store and retrieve user data from the Mongo DB for the application on devices with HTTP service.
* Used Mongoose API in order to access the Mongo DB from Node JS and used Angular CLI and NPM for scaffolding the Angular 4 application.
* Authenticating Users and to provide the security to RESTful web services using OAUTH 2.0.
* Extensively used Git for version controlling and regularly pushed the code to GitHub.
* Used JIRA as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.
* Used GIT for version control and Jenkins for Continuous Integration and Continuous Deployment (CI/CD).

**Environment**: Angular 4, HTML5, CSS 3, JavaScript, AWS S3, Gulp, RESTful Web Services, Python, Kafka, Web Pack, Babel, Jasmine, Karma, Spring Boot, Jersey, MicroServices, Rest Services, AWS, Node JS, GitHub, JIRA, Jenkins, Docker.

**Client: Capital One, McLean, VA Aug’ 2018 – Feb’ 2020**

**Role: Java Full Stack Developer**

**Project Description**:

Capital One is a multinational banking and financial services holding company which provides banking, mortgage, investing, credit cards, insurance and commercial financial services. This application is a customer facing web service of bank for Loan Processing /Mortgage and Home Equity line of credit application. The application includes modules for loan application, profile management, closing and funding.

**Responsibilities**:

* Participated in Requirement Analysis and technical assessment during project life cycle
* Created reusable components used across various modules using Angular.js, Bootstrap, CSS and HTML.
* Developed a Single Page Application which can switch to different components using Angular.js.
* Created REST Microservices by diving the single page application into the chunks of servers to avoid the burden among the servers and used REST calls like GET, POST to have a communication between those services.
* Developed GET, POST, UPDATE and DELETE RESTful Web Services using Spring Boot.
* Created REST based web services by establishing links using HATEOAS from Spring based application.
* Used Spring core for Dependency Injection (DI)/Inversion of Control (IOC), and integrated Angular.js and Hibernate.
* Developed Spring Boot Micro services with micro service architecture using REST and Apache Kafka.
* Used Eclipse based Spring Tool Suite (STS) for development and debugging Spring Boot applications, Micro services and deployed into AWS lambda Expression.
* Created and Configured Continuous Integration and Continuous Deployment (CI/CD) pipelines to automate software development process.
* Developing unit and integrating tests for existing Micro-Services using Junit and Mockito.
* Implemented and planned the server-side architecture using Spring and Hibernate.
* Used J2EE design patterns like Model View Controller (MVC), Singleton, Factory, Data Access Object (DAO), Data Transfer Object (DTO) and Service Locator etc.
* Experienced with building Docker Images and running those images into the Docker container.
* Worked with Apache Tomcat servers8 and JBoss servers to deploy and configure Java API’s and front-end modules.
* Accessed REST Spring calls in Angular.js using promises, custom directives and custom services.
* Experienced in creating Responsive Web Design (RWD) using Bootstrap, HTML5, CSS and used JavaScript for client-side validations.
* Experience with software development tools like Git, Jenkins, Maven and others.
* Using Jenkins to build and test our projects continuously making it easier for developers to integrate changes to the project and making it easier for users to obtain a fresh build.
* Experienced on implementing the Angular.js in creating the animations on CSS basis and used Structural Directives to change the DOM layout.
* Configured Protractor test classes and Selenium grid end to end testing on the front end.
* Worked with several testing frameworks such as JUnit.
* Used JUnit for unit testing and implemented with Log4j to provide logs of exceptions.

**Environment**: Java 8.0, Spring 4, Spring Boot, JPA, JavaScript, Apache Tomcat, STS, Oracle 11g, Log4J, Angular.js (v7.0/8.0), JUnit, XML, Web Services, Micro Services, Kafka, AWS, Git, PL/SQL, Docker, Visual studio, Oracle, MongoDB, Jenkins, CI/CD.

**Client: AT&T, Plano TX Jan’ 2017 to July’ 2018**

**Role: Java Full Stack Developer**

**Description:**

My AT&T sales provide end users various services on AT&T products like Wireless, Wire line, IPTV, U-verse and DTV. Shared Services are the API services provided to ATG framework. It has several components to accept services from UI and route it to Automation, Fulfillment and Order Gateway to process on Demand or Batch requests.

**Responsibilities**:

* Designed the Web application layout and forms using HTML5, CSS3, and JavaScript.
* Developed a well responsive single page application using ReactJS framework and JavaScript in conjunction with HTML5, CSS3 standards, with front end UI team
* Used React-Router to turn application into Single Page Application
* Increased developer productivity by using efficient programming methodologies and local development.
* Worked in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Used JavaScript/jQuery to make interactive site. Responsible to handle frontend side of application to make it high performance, rich and user friendly.
* Involved in ongoing project migrating from Angular 4/5/6 to React.
* Worked on an Agile (Scrum) Development Team to deliver regular updates to business team and project managers.
* Involved to implement various screens for the front end using React JS and used various predefined components from NPM (Node Package Manager) and Redux library.
* Involved in designing, developing and testing the web application by using the HTML5, CSS3, Bootstrap, and ReactJS.
* Implemented Restful architecture using WEB API Controller to use in the application to populate the data from the database.
* Implemented client side Interface using React JS and used various predefined components from NPM (Node Package Manager) and Redux library.
* Involved in creating custom components and library components for displaying data using react with Redux, EcmaScript6.
* Worked on core java, using file operations to read system file to present on JSP.
* Published Rest services for performing CRUD operations from database. Implemented RESTFUL web services using spring boot and consumed using spring REST services.
* Experience in working with React Router for developing Single Page Applications SPAs.
* Developed user interface by using the React JS, Redux for SPA development.
* Experienced in working with React life cycle methods and working with React States using Redux.
* Deployed spring based application on Amazon Web Services (AWS) platform using Chef Configuration management.
* Developed core Java programs for all business GIT/SVN rules and workflows using spring framework, Used GIT for version control.
* Carried out extensive verification and testing in order to set MySQL database free from SQL injections throughout course of database development and management.
* Experience in developing and deploying loose coupled Microservices.
* Good understanding on enhancing Microservices performance by using task manages and Webpack with serverless framework. Inception of Microservices through AT&T AJSC and ANSC seed templates. Refactored the monolithic code in those Microservices projects
* Working on Automated Microservices development framework to improve fast development and easy Onboarding process.
* Good experience on MongoDB scaling across data centers and/or in-depth understanding of MongoDB HA strategies, including replica sets.
* Experience in working with MongoDB third party tools and mongo-built in binaries to monitor and analysis the performance of MongoDB.
* Implemented reusable components for front end applications.

**Environment**: Java 8, HTML5, CSS3, Bootstrap, JavaScript, React JS, Core Java, Springboot, JQuery, Jasmine, MongoDB, Agile, AJAX, Git, Angular JS, Junit.

**Verizon, Charlotte, NC May’ 2015 to Nov’ 2016**

**Role: Java Fullstack /J2EE Developer**

**Description:**

Verizon has undertaken a prestigious project which is entirely related to networking planning where it provides verizon wireline networks (FiOS, VoIP, NNI, CPA) for creation of bandwidth reporting and utilization of trafficking reports within the areas for the improvement of network asset utilization and as well support network diversity and working on AWS and as well other migration functionalities for the forecast of targets to be achieved for the better network coverage.

**Responsibilities:**

* Designed and developed the application using Agile methodology and followed TDD, Scrum, pair programming.
* Wrote Technical design document with the class, sequence, activity diagrams in each use case.
* Designed dynamic and browser compatible pages using JSP, HTML, CSS3, jQuery, JavaScript and Angular JS.
* Developed various reusable Helper and Utility classes that are used across all the modules of the application.
* Designed and developed Business components and Integrated with Spring framework.
* Wrote data Components for Plan Setup, wrote and called Stored Procedures using Java, HQL, Hibernate
* Involved in configuring and integrating Spring and Hibernate frameworks.
* Integrated business layer using Hibernate with Spring DAO.
* Played key role in the design and development of application using J2EE and REST web service for Service Oriented Architecture (SOA) with JSON and developed test cases using Junit and Mockito framework.
* Developed REST exception handling controller advices to respond to bad requests and server-side exceptions.
* Defined AWS Security Groups, which acted as virtual firewalls that controlled the traffic, allowed reaching one or more AWS EC2 instances with the Azure
* Used Spring Batch to build the POJO-based development approach of the Spring Framework.
* Involved in using JPA (Java Persistence API) frameworks and APIs such as DAO (Data Access Objects) and Hibernate.
* Used Azure tool for the deploying for the cloud and store the data into the cloud.
* Also, used Azure Red Hat Openshift to deploy our application on to the develop environment.
* Streamlined installation of OpenShift on partner cloud infrastructure such as AWS and Azure.
* Designed & developed LDAP Authentication & Authorization Service using Java, LDAP, JNDI.
* Responsible for configuring and deploying the builds on Tomcat Web Server.
* Wrote notification service that executes daily, sends emails and escalations to participants.
* Involved in Unit & Integration Testing for different Modules in the application.
* Wrote build & deployment scripts using ANT, Maven and shell scripts on UNIX env.
* Used Oracle Coherence in Java Collection API to access and modify data, and the JavaBean event model to receive data change notifications.

**Environment**: J2EE/J2SE, Java, JavaScript, AngularJS, Spring, JPA, Azure, Hibernate, JDBC, Tomcat Web server, LDAP, SOA, SOAP, XML, HTML, Log4j, RAD, Oracle, Maven and Windows 7.

**Client: Thomson Reuters, Eagan, MN Oct’ 2013 – April’ 2015**

**Role: Fullstack Java developer**

**Responsibilities**

* Designed and built new micro-services for a Service Platform hosted in Cloud Foundry.
* Used a microservices architecture, with Sprint Boot based services interacting through a combination of SOAP based web services, REST and Apache ActiveMQ endpoints.
* Designed and developed RESTful and SOAP web services to facilitate exchange of data with external systems.
* Used Hibernate as the ORM tool to persist classes in the database.
* Developed test cases and performed unit testing using JUnit.
* Implemented business logic using Drools Rule Engine.
* Used GitHub as version control system and Jenkins for CI/CD in Cloud Foundry.
* Used Apache Maven as project management tool to manage dependencies.
* Actively managed, improved and monitored cloud components on Cloud Foundry.
* Drove continual improvement to the system by refactoring legacy code and modifying existing services.
* Worked in Agile software development with Scrum methodology.
* Involved in various phases of Software Development Life Cycle, including requirement gathering, analysis, designing, prototyping, developing and testing.
* Involved in debugging and resolving production/lower environment issues.
* Worked with Product Owners and System Architects to recommend process or system enhancements.

**Environment:** Spring Boot, Spring, Spring Cloud, Apache ActiveMQ, Apache Camel, Hibernate, Cloud Foundry, Apache Tomcat, Maven, GitHub, Jenkins, Log4j, JSON, XML, REST, SOAP, Micro-services, MVC, Rally, JIRA, MySQL, Drools

**Client: Novartis India Pvt Ltd, India May’ 2011 –March’ 2013**

**Role: Java developer**

**Responsibilities:**

* Involved in the analysis, design, and development and testing phases of Software Development Lifecycle (SDLC) using agile development methodology
* Involved in business requirement gathering and technical specifications
* Implementing Servlets, JSP and Ajax to design the user interface
* Used JSP, JavaScript, HTML, and CSS for manipulating, validating, customizing, error messages to the User Interface.
* Maintained the existing code based developed in spring and Hibernate framework by incorporating new features and fixing bugs
* Designed and developed all the user interfaces using JSP, Servlets and Spring framework
* Created an XML configuration file for Hibernate for Database connectivity.
* Involved in development of cascading style sheets (CSS) to make the Java Server Pages to be displayed using different output styles.
* Developed custom controllers for handling the requests using the spring MVC controllers.
* Developed Client-Side Validations using JavaScript and server-side validations using Struts validation framework.
* Involved in creating/deploying jar, war and ear files in WebSphere Application server.
* Extensively used the JSP in the view side of MVC.
* Used Struts tag libraries, JSTL and created web interfaces using JSP technology.
* Developed the dynamic User Interface using JSP utilizing Custom Tag Libraries, HTML, CSS, and JavaScript.
* Developed a web-based report for monitoring system with HTML and Tiles using Struts framework.

**Environment**: Java, J2EE, EJB, UML, SQL, Eclipse, JavaScript, Spring MVC, Hibernate, Web sphere, JBOSS, HTML, DHTML, CSS, XML, Log4J, ANT, STRUTS, JUNIT, JSP, JSTL, Ajax, Servlets.