**Sakshi Chalana**

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**PROFESSIONAL SUMMARY:**

* Over 13 + years of work experience as a Java Full Stack Developer in user interaction, Coding, Testing, requirement gathering, systems analysis, design, and development in various industries like Banking/Financial Services, Hospitality, Healthcare.
* Worked extensively on J2EE technologies like Servlets, Portlet, Life-ray, JSP, JDBC, JNDI, EJB, and Hibernate.
* Valuable experience of J2EE design patterns like MVC, Factory, Singleton, Session Facade and Data Access Objects
* Excellent knowledge and working experience in complete Core Java 8 Package using OOPs concepts, Arrays, String, Exception Handling, Collection framework, Multithreading, Serialization, and I/O stream concepts.
* Expertise in MVC architecture Web Framework Struts 1.0, Spring 2.0 (Dependency Injection, Data Access Objects, MVC Framework and Spring Web Flow.
* Used Spring Framework in business layer for Dependency Injection, AOP, Spring MVC, transaction management.
* Good working knowledge on JSP pages using JSP Standard Tags Library (JSTL) and Struts Tags Library.
* Experience in all phases of SDLC like Requirement Analysis, Implementation and maintenance, and extensive experience with Agile, Waterfall and SCRUM.
* Good exposure to Service Oriented Architecture (SOA) and expert level working knowledge in developing Java Web services using REST, SOAP, WSDL, XML and Jason.
* Expertise in creating SQL queries and stored Procedures using PL/SQL in Oracle, MySQL.
* Actively involved in all phases of a project i.e., understanding functional Requirement, Designing, Development, unit testing and integration testing also created TDS, UTP, UTS, Code Reviews,
* Developer conversant with developing applications using various servers like Apache Tomcat 5.5, 6.0, JBoss5.1, 6.0,
* Task Specific Performer with considerable exposure in using Ant, Maven, Log4j and Jira.
* Experienced in designing and executing test cases based on Business requirements and Functional Specifications.
* Experience in Front and Back-end web Technologies and ability to create applications that can use various databases.
* Hands on experience in deploying Java Application Servers like Web logic, JBoss and Tomcat, Apache.
* Ability to take independent responsibility as well as ability to contribute and be a productive team member.

**TECHNICAL SKILLS:**

**Web applications**- spring, JAX-WS, Web Services-REST, Struts, Liferay, Microservices

**Front-end technologies** - JavaScript, HTML5, CSS, Bootstrap, jQuery, JSON, AngularJS, JSP, JSF, Servlet, AJAX, XML, React JS.

**Database tools**- JPA, Spring Data, and Hibernate etc.

**Modern tooling** - Eclipse, Maven, Jira, Net beans, Super Putty, WinSCP, Visual Studio, IntelliJ, RAD

**Servers**- Apache Tomcat 5/6/7, JBoss5/6, Web Logic, Web Sphere, Liferay Server

**Databases** - Oracle, MYSQL, MS SQL Server (2005/2008), Toad Oracle 11, Cassandra, MongoDB

**EDUCATIONAL DETAILS:**

* Bachelor of Engineering, Computer Science, BRCM, MDU, Rohtak 2008
* Diploma, Computer Science, GPW, Sirsa, SBTE, Chandigarh 2005

**CERTIFICATIONS**

**OCJP Certified**

**EXPERIENCE:**

**Sr. Java Developer Oct 2021 – Present**

**Express Scripts NJ, Service Guarantee Repository**

**Resposibilities:**

* Implement new features introduced by business in the old legacy SGR application.
* Analyzed functional requirements, designed, coded, and documented software in object-oriented languages.
* Collaborated with business team to identify any issues with current application and develop new features as needed.
* Resolved multiple production ticket in old legacy SGR environment.
* Implemented secure authentication and authorization mechanisms using Spring Security framework.
* Developed and maintained full-stack web applications utilizing a range of technologies, including React JS, Java SpringBoot, Oracle, HTML, jQuery and CSS3.
* Created Reusable Modules and Custom Directives in Angular8 which were used in various places of application.
* Developed the Application layer/GUI framework from scratch using JSP, HTML, CSS, Bootstrap JS, AJAX and Cassandra.
* Java SpringBoot used to implement API for fetching and inserting data into Database.
* Developed REST API using Spring MVC and REST Controllers and generated JSON/XML formats OOPS design and core Java concepts such as Collections, Multithreading, Exception Handling.
* Developed SOAP Microservices which are like API's used for Home Automation they also keep the data in synchronization between two database services.
* Integrated Java microservices and custom modules with Mendix applications to extend functionality and meet specific business requirements.
* Used Mendix Studio and Studio Pro to build, test & deploy applications, including working with domain models, layouts, and microflows.
* Created custom, self-contained, reusable, and testable Angular8 modules, controllers, directives, and services to implement key functionalities for customer account summary.
* Created Docker Containers leveraging existing Linux Containers and AMI's and creating Docker Containers from scratch.
* Integrated Spring Security with various authentication providers such as LDAP, OAuth, and custom authentication providers.
* Created Jenkins pipelines and used Jenkins CI to deploy applications to development, QA, and Production environments.
* Migrated from old legacy SGR app to new advanced SGR app using React JS, SpringBoot and Rest API.
* Load and transform large sets of structured, semi structured and unstructured data using Big Data concepts.
* Write Spark transformations and action jobs to get data from source DB/log files and migrate to Cassandra database.
* Used slightly templating language for implementing AEM Components.
* Developed lots of API to support migration work.
* Real time streaming the data using Apache Spark with Apache Kafka.
* Worked as an individual contributor on separate tickets and delivered that within the sprint timeframe.
* Utilized Spring Security features like method-level security annotations to enforce access control at the application's service layer.
* Worked on JIRA tool to create and track projects and user stories assigned to me.
* Design and development strategy walk through with business partners and project teams.
* Participation in scrum meetings, retro meetings, review meeting for ongoing sprint, estimation and track of sprint tasks and ensure timely delivery.

**Environment:-** Core Java, J2EE, SQL, JSON, jQuery, Rest Web Services, Angular, JIRA, Maven, Git hub, IntelliJ, RAD, Mockito, SpringBoot, Agile methodology, Java servlet Pages, Java script, WebSphere, Big Data, Kanban-board, CI/CD pipeline, Git, React JS, Docker, Jenkins, Spring Security, Visual studio code, Postman, OpenShift, Microservices.

**Sr. Java Developer Aug 2019 – Oct 2021**

**Manulife, Signature in Plan Advice**

**Responsibilities:**

* Leading the team and monitoring daily status, understanding the business requirements, providing expert knowledge and solutions to accomplish the deliverables in timely manner.
* Hands on programmer and subject matter expert with Oracle Fusion Middleware stack. Assist other developers in the design and implementation of their tasks and go to person on the projects for solving all the technical issues.
* Implementing the new Managed Account features in different websites
* Web Application development with Core java, Spring Framework XML parsing.
* Used Angular 10 for maintaining heavy load of application to maintain responsive with minimal memory overhead.
* Developed and customized enterprise applications using Mendix's low-code platform with a focus on Java development.
* Used Microservices architecture, with Spring Boot-predicated services interacting through an amalgamation of REST, Swagger, Cassandra and MQ message brokers and leveraging AWS to build, test and deploy Identity Microservices.
* Test plans and Unit Testing using Junit and Mockito.
* Translate, re-factor, and code software applications in Java according to specifications provided by Software Architects.
* Created Azure Functions using JAVA that receive inputs from service calls and performs the database interactions.
* Developed asynchronous service call in Angular 8 with Type Script and transacted data in JSON format between back-end and front-end applications.
* Big Data Integration and Analytics based on Hadoop, SOLR. Spark, Kafka, Storm, and Web Methods technologies.
* Developed Web Services using SOAP, WSDL, Apache Spark and used SoapUI for testing.
* Used Docker for setting Azure Container Registry with Docker and Docker-compose, actively involved in deployments on Docker using Kubernetes.
* Developed CI/CD system with Jenkins on Docker container environment utilizing Kubernetes created Single Page Application (SPA) which can data bind and synchronize with Angular8 framework.
* Integrated jQuery, Angular JS Framework with AEM.
* Configured Apache Webserver in the Linux AWS Cloud environment using Puppet automation.
* Integrated AWS DynamoDB using AWS Lambda to store the values of the items and backup the DynamoDB streams.
* Implemented Big Data in Amazon Elastic MapReduce (Amazon EMR) for processing, managing Hadoop framework dynamically scalable Amazon EC2 instances.
* Understanding and analysis of new business initiatives along with Business Owners and Solution Architect. Involved in analysis, specification, design, implementation, and testing phases of Software Development.
* Participation in scrum & review meetings for ongoing sprint, estimation & track of sprint tasks to ensure timely delivery.
* Coordinating and collaborating with offshore team to explain project requirements and getting the deliverable on timely manner. Also Providing Knowledge transfer to team members.
* Coordinating with AS team and providing support for environment related issues.
* Developing new features in multiple applications like Participant, PSW/FRW, nav smart and Spa application.
* Design and development strategy walk through with business partners and project teams.
* Involved in production support activities during warranty period after project goes live.
* Participate in review meetings of various deliverables (Code review, Design review, Test Strategy document, Implementation plan etc.) for releases.
* Maintained Query register to track project related query and defect register to maintain all defects that are raised in SIT/UAT
* Tech Inquiries, Test issues, Production issues and Providing support from Impact analysis to warranty hand-over.
* Documenting project related documents as per the standards to ensure in compliance.
* Modifying the old, stored procedure as per the new feature.
* Supporting VA chat project which is built in react and node JS and deployed in Microsoft Azure.

**Environment:-** Core Java, J2EE, MQ, Oracle, JSON, Restful Web Services, Angular, JIRA, Maven, Git hub, Eclipse, Junit, Mockito, SpringBoot, Agile, Java servlet Pages, jQuery, Java script. IBM Console, WebSphere, SonarQube, Big Data, Procedures, Kanban-board, Security contrast, Docker, Kubernetes, CI/CD pipeline, Git, Node JS, React JS, Azure.

**Sr Developer April 2018 – Aug 2019**

**Independent Health (Buffalo, NY), PPO Outbound/Inbound/Cactus**

**Responsibilities**

* Implementing the new message retry mechanism using Kafka in the event of any failure in the downstream systems.
* Developing and coding XSLTs for transforming all the claims in XML into small individual claims.
* Web Application development with Core java, Multithreading, XML parsing.
* Developed SpringBoot application with microservice and deployed it into AWS using EC2 instances.
* Worked with Lambdas and streams in java 1.8, along with spring Web flux to implement complete non-blocking code for improved scalability and reduced cost approach on cloud. Spring, Webservices & Microservices Development
* Development of new listeners for producers and consumers for both Rabbit MQ and Kafka.
* All logging into Splunk. Used java profiling tool for monitoring the performance of Remittance process. After analyzing its slow then participate in enhancing the performance
* Designed, configured, and deployed AWS for many applications utilizing the AWS and ELK (Elastic search, Kibana, Log stash) stack focusing on high availability and fault tolerance that is produced by Apache Spark cluster.
* Test plans and Unit Testing using Junit and Mockito.
* Translate, re-factor, and code software applications in Java according to specifications provided by Software Architects.
* Write Python scripts to automate AWS services which include Web servers, ELB, Cloud Front distribution, Database, EC2, database security groups and S3 bucket.
* Participated in Message Oriented Middleware implementation using JMS and Apache Kafka.
* Validate mandatory fields are being passed in the file as per business mapping document in Cactus.
* Understanding and analysis of new business initiatives along with Business Owners and Solution Architect. Involved in analysis, specification, design, implementation, and testing phases of Software Development.
* Business process analysis, business process documentation, planning and estimation of development efforts.
* Participate in scrum and review meeting for ongoing sprint, estimation and track of sprint tasks and ensure timely delivery.
* Implemented joins stored procedures, views, Unions in Oracle database to fetch the data deployed Spring Boot based microservices Docker container using Amazon EC2 container services.
* Used Amazon Web Services (AWS) like EC2, S3, cloud watch and Elastic Bean Stalk for code deployment-built Data Access Layer using Elastic Search for Recommendation view for repair events and worked on deploying AWS Elastic search to monitor the state and condition of the applications.
* Coding and development of technology migration following the Syntel and Independent Health standards. Design and develop SOA solutions following the IHA standard.
* Coordinate with business and database teams to gather business requirements and translate them into technical solutions.
* Perform Unit testing for the code changes done in programs and Coordinate with diverse groups of interfacing system for testing the change with integration.
* Coordinating and collaborating with offshore team to explain project requirements and getting the deliverable on timely manner. Also Providing Knowledge transfer to team members
* Design and development strategy walk through with business partners and project teams.
* Created Typescript reusable components and services to consume REST API's using Component based architecture provided by Angular.
* Coordinating quality assurance efforts and helping the Testing team to execute test validations for project changes in various Test phases i.e., SIT, UAT.
* Participating in all the release management activities and providing description of project, back out plans and Implementation of enhancements into real time environment.
* Involved in production support activities during warranty period after project goes live.
* Participate in review meetings of various deliverables (Code review, Design review, Test Strategy document, Implementation plan etc.) for releases.
* Maintained Query register to track all project related query and defect register for maintaining all defects those are raised in SIT/UAT
* Providing technical guidance as needed for the following: Tech Inquiries, Test issues, Production issues and Providing support from Impact analysis to warranty hand-over.
* Documenting project related documents as per the standards to ensure in compliance.

**Environment: -** Core Java, J2EE, MQ, Kafka, My SQL, JSON, Restful Web Services using, Greyhound, JIRA, Maven, Git hub, Eclipse, Junit, Mockito and Linux, Xml, XSLT, SpringBoot, JAVA8, Tidal, Agile methodology, Shell Scripting, AWS

**Sr Java Developer April 2017 – April 2018**

**Bank of America (NYC, NY), Research Library**

**Responsibilities:**

* Communicate effectively with people including stakeholders, internal teams, and the senior management.
* In the Research Library, I implemented a research overview page, added Conference Call functionality, enhance Data Report portlet functionality, enhance Alert functionality.
* Developed the modules using Liferay Portal Framework.
* Implemented search tool for web content: input the URL and you can find, using text or URL as a search option.
* Involved in design and developed portlets, hooks and modify theme velocity templates using Java/J2EE and Liferay Portal Technology.
* Analyze Design, Develop and Test new application ‘Portal’ in Liferay Portal environment using Java/J2EE and Liferay Portal Technology.
* Worked for standardizing the code as per OAD standard for all Architecture modules. Worked on several Vulnerability and provide fixes.
* Designed and created Cassandra tables as data repository to host transactions and implemented Kafka consumers to move transaction data from Kafka to Cassandra.
* Implemented complex trading algorithms and risk models using Java to enhance trading strategies and optimize risk assessment processes.
* Integrated third-party APIs and data feeds into the trading platform, enhancing its capabilities and providing access to a broader range of financial instruments.
* Conducted thorough code reviews and implemented best practices to ensure code quality, maintainability, and scalability of the trading platform.
* Involved in Code Coverage issues, Code Optimization and Bug analysis and fixing the bugs.
* Involved in the design and development of Portlet plugins using Spring portlets.
* Involved in Analysis and Design of new/modification of functionalities & new CRs.
* Designing the classes and methods and workflow and Code Review of Deliverables
* Mentored the Team members technically & functionally.

**Environment**: JDK 1.8, Eclipse, core Java, J2EE, Rest Web Service, jQuery, JavaScript, MySQL, Tomcat, log4j, Visual Studio, Super Putty, Life-ray, JSP, AJAX, Bootstrap, Angular JS, Spring MVC, Beyond Comparator, SoapUI, Toad Oracle 11, WinSCP, SpringBoot.

**Java Developer April 2015 – April 2017**

**Optimal Infosystems INC (Iselin, NJ) – Resources for an Extraordinary Career**

**Responsibilities:**

* Performed technical elaboration and feasibility study on the Functional Requirement specification and high-level requirement.
* Communicated project related information to the development, QA, and management teams.
* Developed the J2EE application based on the Service Oriented Architecture.
* Used Design Patterns like Singleton, Factory, MVC, Front Controller, Service Locator, Session Facade and DAO.
* Developed using new features of Java 1.6/1/7 like Annotations, Generics, enhanced for loop and Enum etc.
* Developed application using Agile and demonstrated the functionalities to the business users in every sprint.
* Worked in all the modules of the application which involved front-end presentation logic developed using AJAX, Java Script, JSON with Spring MVC, Angular JS, JSP, JSTL and JavaScript, Business objects developed using POJOs and data access layer using Hibernate framework.
* Involved in writing Thread Safe blocks for multithreaded access to make valid transactions.
* Used Spring Inheritance to develop beans from already developed parent beans.
* Used Hibernate Transaction Management, Hibernate Batch Transactions, and Hibernate cache concepts.
* Created session EJBs that retrieved information from the SQL database using Spring- Hibernate.
* Developed various generic JavaScript functions used for validations.
* Worked closely with QA team and fixed QA bugs as well as production issues with a quick turnaround time.
* Focused on Test Driven Development; thereby creating detailed JUnit tests for every single piece of functionality before actually writing the functionality.
* Develop Java Process to Initiate the CDC and Image Refresh.
* Extensively worked on core java concepts like Multi-Threading, Inheritance, Abstraction, Encapsulation, Polymorphism, Exception handling, and Collections Framework for develop ARI initial load.
* Used DAO pattern to fetch data from SQL database using Spring Hibernate to conduct various database specific operations and avoided redundant database access statements; thus, achieved decoupling and flexibility.
* Design and implement web services using REST Web services by using Jason formatting language.
* Developed Handler layer from this class the DB layer invocation happens and is responsible for building the response need to be returned to the client. Achieved DTO class for setting Credit Card related information. Implemented the logging mechanism using Log4j framework.
* Achieve Java Process for ARI Initial Load and Refresh through multithreading and exception handling. Use garbage collection also.
* Used JSP, JavaScript, AngularJS, jQuery, AJAX, CSS, and HTML5 as data and presentation layer technology.
* Built Single page application (SOA) using Angular JS as per the requirement.
* Involved in wrap-up meetings and in estimating the timeframe for each story and helped in deploying the application on the server for each iteration in agile software development.
* Built a responsive website using Bootstrap grid system to layout contents that fit different devices including mobile, tablet and desktop.
* Improved the performance of the Websites, reduced the page load times, and confirmed to the best practices and tuning the Websites accordingly. Providing technical as well as functional support to the team members.
* Troubleshoot existing information systems to identify errors and develop solutions. Validate deployment. Assist in production support.
* Communicate effectively with people including stakeholders, internal teams and the senior management.
* Integration of the existing system with dependent applications.

**Environment:** JDK 1.7, Eclipse, core Java, J2EE, Hibernate, Rest Web Service, jQuery, JavaScript, Eclipse, MySQL, Tomcat, log4j, Junit, HTML5, AJAX, Bootstrap, Angular JS, Spring MVC.

**Java Software Engineer June 2011 – March 2015**

**NTT DATA (Gurgaon, India) SEI Investment, NTT DATA**

**Responsibities:**

* Involved in the discussions with business users, testing team to finalize the design documents and story point’s allocation for user stories.
* Complete understanding of Agile/SCRUM with the ability to conduct SCRUM meetings, co-ordinate team activities in a strict deadline driven environment and maintain excellent client communication.
* Used J2EE, Java, JSP, Struts 1 and Ajax, JSON, PL/SQL, XML, Hibernate, spring, JavaScript, Apache, and Tomcat technologies.
* Developed and implemented the business logic component in middle tier using JDBC and EJB framework including stateless session classes and Entity bean classes.
* Developed and maintained Java-based applications for risk management and trading platforms, ensuring efficient and reliable software solutions.
* Eclipse3.0 has been used for developing the application and deployed to the Web Sphere application server. Used JSP, JSTL tag libs and Java Script for developing the view tier.
* Development of client-side scripts using Java Script and Server-side validation by using Struts Validator.
* Extensively used Hibernate in data access layer to access, Update and persist information in the database.
* Developed the Hibernate mapping files and Domain objects in persistence layer.
* Hibernate Query Language (HQL) was used for querying the database.
* Java Servlets and JSP pages were deployed on the Web Logic Application Server for retrieving user information and posting related data.
* Collaborated with cross-functional teams, including traders, analysts, and other developers, to understand business requirements and translate them into robust Java code.
* Designed and implemented real-time data processing solutions to handle large volumes of market data, contributing to improved decision-making processes.
* Responsible for code review, maintaining application flow, debugging, build and deployment.
* Implemented Hibernate as Object Relational Mapping (ORM) framework for mapping object-oriented domain model to SQL database.
* Used Hibernate mappings, relationships between tables and entity classes to access and update information in the database.
* Worked closely with QA/BA teams and fixed the bugs as well as production issues with a quick turnaround time.
* Used JAVA Collection API which provides a group of interfaces such as List, Set, Map, and Queue.
* Worked on code optimization & performance tuning of various applications.
* Used JSP, JSTL tag libs, AJAX, and Java Script for developing the view tier.
* Participated in team estimation and proposed workable solutions.
* Worked on Session Beans, JMS and EJB-MDB's for messaging mechanism. Developed and implemented the business logic component in middle tier using JDBC and EJB framework including stateless session classes and Entity bean classes.
* Tracking maintenance request from Jira and worked on them.
* Performing ALL stages of SDLC including analysis, requirements determination, estimating, coding, testing, and developing all written technical design, user and end deliverable documentation.
* Developing technical solutions for and with customers to meet system and business requirements Used J2EE design patterns like DAO, DTO, and Service Locator etc.
* Developed front end using JSTL, JSP, HTML, and Java Script.
* Creating cross-browser compatible and standards-compliant CSS-based page layouts accommodate recent changes in design and logic. Implemented server-side task using Java, Servlets, Java Beans and XML.
* Actively involved in implementation of client-side validations using JavaScript.
* Java Servlets and JSP pages were deployed on the Web Logic Application Server for retrieving user information and posting related data.
* Work cooperatively with others and take necessary steps to ensure successful project execution using strong verbal communication skills.
* Collaborated with the support team to troubleshoot and resolve issues, ensuring the continuous and smooth operation of trading systems.
* Providing functional overview to QA team once a developed module is made available to QA and participate in testing with them. Actively involved in creating reports using crystal reports.

**Software Engineer Feb 2010- June 2011**

**Helios & Matheson (Bengaluru, India)**

**Responsibilities:**

* Involved in the requirement analysis, design, and coding.
* Involved in preparing the detailed design document for the project.
* Used EJB as a middleware in developing a three-tier distributed application.
* Developed Session Beans and Entity beans to business and data process.
* Used JMS in the project for sending and receiving messages on the queue.
* Developed the Servlets for processing the data on the server.
* The processed data is transferred to the database through Entity Bean.
* Used JDBC for database connectivity with MySQL Server.
* Involved in unit testing using Junit.
* Provide ongoing maintenance of applications.
* Assist in the deployment of new modules, upgrade and fix the production environment.
* Used versions of Java 1.4, spring 2.0 and hibernate in developing this application.
* Involved in complete SDLC Life Cycle.
* Extensively used OOD (Object Oriented Design) and J2EE Design Patterns during the tool’s design.
* Developed business logic using spring, Hibernate/JPA.
* Involved in Build and Deployment of the ear file on JBoss4 server.
* Development and end-to- end Coding using Eclipse.
* Customize customer templates (HTML/CSS) with functional design.
* Updated UI implementing advanced HTML, CSS, JavaScript, and jQuery to make user interfaces and web components richer and more dynamic.
* Designed and developed web pages using HTML and JSP.
* Used jQuery to manipulate and traverse the DOM, handle events, perform animations, and add Ajax interactions.

**Environment:** JDK 1.4, Maven, CSS, HTML, jQuery, spring 2.0, Hibernate, Maven, JBoss, MySQL, Windows, FTP, SFTP, Shell Scripting, Unix.