**Sr. Java Full Stack Developer**

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**Professional Summary:**

* Around 11 **years** of **Full Stack Developer** experience in all stages of Software Development Life Cycle (**SDLC**)**,** referring to **design, development**, **testing** and **deployment** of **web-based and Enterprise business** applications using **OOPs**, **Java/J2EE technologies**.
* Extensive experience with Core Java concepts like Streams API, Lambda Expressions, Multithreading, Transaction Management, Exception Handling, Collection API.
* Experienced on various SDLC (Software Development Life Cycle) like Waterfall, Rapid Application Development (RAD) and Agile (SCRUM) models.
* Strong experience in User Interface development using web technologies like HTML5, XHTML, DHTML, CSS3(SAAS/LESS), Bootstrap, JAVASCRIPT, JQUERY, AJAX.
* Hands on Experience in working with Databases MYSQL, Oracle 10g/11g, SQL-Server, DB2 and NoSQL MongoDB, Cassandra, DynamoDB, CouchDB and Graph DB.
* Good knowledge in writing stored procedures, Packages and functions using SQL & PL/SQL and good at advance PL/SQL topics like Triggers, Collections, Procedures and Functions.
* Extensively worked on Micro Services with Spring Boot and created dynamic documentation for RESTful web service using Swagger.
* Integrated Micro Services with Hibernate ORM using Spring Boot and wrote HQL queries   for data access.
* Good Knowledge in Amazon Web Services (Amazon SQS, Amazon EC2, Amazon S3, Amazon Elastic Load Balancing, Amazon SimpleDB, Amazon EBS, Amazon Lambda and Amazon CloudFront).
* Hands-on experience in implementation of Pivotal Cloud Foundry (PCF) services such as Pivotal Container Service, Pivotal Application Service and Pivotal Functional Service.
* Good knowledge of implementing MVC architecture on the client side using React with redux, React with flux.
* Hands on experience in developing server-side JavaScript frameworks using Node JS (Express JS, Handlebar JS).
* Worked with Spring Cloud Config, Circuit Breaker, Ribbon, Apigee API- gateway and Zuul API-Gateway in the Spring Cloud and Netflix Eureka service to provide weighted load balancing based on several factors like traffic, resource usage and implemented authentication to web services using OAuth 2.0, Spring security (User Access Management).
* Having good Experience in MVVM design patterns such as Angular 6.X and Angular 7.X Backbone JS, Ext JS, knockout JS.
* Experience in testing with JUnit Framework using Mockito and EasyMock, Spring Junit Runner.
* Made use of Apache Kafka, Active MQ, Rabbit MQ, IBM MQ as a Message Oriented Middleware for coordinating applications.
* Worked on WSDL and WADL implementing SOAP services using Axis-2 and Apache CXF (JAX-WS frameworks).
* Strong experience in integration tools like Apache CXF, Apache Camel Spring Integration and Mule ESB to integrate the enterprise application technologies with existing JVM environments.
* Implemented security functionality OAuth 2.0, Spring security, SSL and SiteMinder (SSO), secure authentication with LDAP OAuth2 for generating tokens in the application using Spring Security, JWT for producing tokens.
* Automated the deployment process by integrating code repository using CI/CD pipeline Jenkins, Bamboo and GoCD for continuous deployment.
* Proficient in using React JS for creating reusable components along with sliders, charts, grids and handling events and DOM objects.
* Expertise in back-end technologies including SQL databases such as DB2, PostgreSQL, MySQL, and Oracle Database and NoSQL Databases such as Dynamo DB and Mongo DB Concepts, CRUD operations and aggregation framework.
* Experience in Unix and Shell Scripting which allows the user to interact with OS.
* Experience on working with CCP pipelines (Common Cloud Platforms).
* Deploying the applications using Docker container services and building continuous integration (CI) and continuous deployment (CD) pipeline using Jenkins with GitHub.
* Used various version control software such as GIT, GIT LAB, SVN, CVS, BitBucket for maintaining code repositories.
* Strong Knowledge on automated java based behavioral testing and integration testing of the applications using Cucumber and Selenium, respectively.
* Good understanding of OpenShift platform in managing Docker containers and Kubernetes Clusters.

## **TECHNICAL SKILLS:**

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| **Programming Languages** | C, C++, Java 1.8, PHP, PL/SQL, UNIX Shell Script |
| **JavaScript Frameworks** | Angular JS, Angular 7, Node.js, Backbone.js, React.js, Express.js, Ember.js, Handlebars.JS |
| **Java/J2EE Technologies** | Servlets, Spring, EJB, JPA, JTA, JDBC, JSP, JSTL, Java Swing. |
| **Frameworks** | Struts 2.0/1.0, Hibernate 4.x/3.x, Spring 3.0, Spring Batch, Spring Security, Spring AOP, Spring Core, JSF, Spring IOC. |
| **Web Technologies** | HTML5, CSS3, AJAX, jQuery, Bootstrap, XML, Graph QL, Grunt, Gulp, JSON. |
| **Database** | SQL Server, MySQL, Oracle, PostgreSQL, Mongo DB, Dynamo DB, DB2 |
| **Web Services** | XSD, WSDL, Apache Axis, SOAP, Restful, JAX RS, JAX WS |
| **Messaging** | JMS (Java Message Service), IBM MQ, Apache Active MQ, Apache Kafka, Rabbit MQ |
| **Web Servers** | Oracle WebLogic 10.x/9.x, IBM WebSphere 8.x/6.x, Apache Tomcat 8.0/7.x/6.x |
| **Application Servers** | Apache Tomcat, Web logic, IBM WebSphere, JBoss |
| **Methodologies** | Agile, Waterfall, OOAD, SCRUM |
| **Testing Tools** | JUnit, Mockito, Jasmine, Karma, Mocha, Chai, Selenium |
| **Version Control** | SVN, CVS, GIT, GIT LAB, BitBucket |
| **IDEs** | Eclipse IDE, RAD 6.0/7.0, Spring Tool Suite (STS), Visual Studio |
| **Operating Systems** | Windows, Linux and UNIX |
| **Cloud Technologies** | AWS, Kubernetes, Docker,Azure |

**Professional Experience:**

**Client: UPS, Timonium, MD December 2022 – Till Date**

**Role: Full Stack Developer**

**Responsibilities:**

* Worked with Agile methodology and actively participated in Scrum meetings as a part of SDLC, to produce quality deliverables within time.
* Working on Java 8 and Java 11 architecture.
* Expertise working on Micro service architecture creating and developing using Spring boot Frameworks.
* Used Typescript, React.js, HTML5, CSS3, and Tailwind CSS to construct elegant user interfaces. We used Server-side rendering to make the website SEO friendly
* Used React-Router to turn application into Single Page Application
* Worked in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Wrote SQL queries, stored procedures, triggers, views, and enhanced performance with explain plans.
* Experience in database design, data modeling and developing stored procedures, functions and triggers using SQL in Oracle and MySQL.
* Developed mock data generation feature that is integrated with **GraphiQL** IDE interface to allow users to send queries against their custom generated schema and render mock results in order to familiarize users to the **GraphQL** syntax.
* Developing Applications using latest Java/J2EE technologies such as Cassandra, Java 8, Junit.
* Developing RESTful APl's and integrated them to other services.
* Developed APIGEE Proxy for Rest APl's which added another level of security layer to authenticate the API calls.
* Involved in unit testing by creating Test Suites using Jest framework, and end-to-end testing using Protractor.
* Prepared unit test cases using JUnit, EasyMock and Mockito framework.
* Designed, configured and deployed Amazon Web Services (AWS) for a multitude of applications utilizing the AWS stack (Including EC2, S3), focusing on high-availability, fault tolerance, and auto-scaling.
* Consuming Web Services - REST and SOAP for getting required information from third party.
* Used Hibernate Transaction Management, Hibernate Batch Transactions and Hibernate Cache Concepts.
* Deployed Springboot application using Concourse Pipeline and build images in Docker/Rancher registry and then deployed through harness to Kubernetes, created pods and managed using Kubernetes universal control panel.
* Configured and administered Jenkins for CI/CD into Tomcat Application Server.
* We have followed Mean Stack Application by involving Microservices architecture to build front-end, back-end and database.
* Mean stack application basically provides Angular framework as front-end, node.js/express.js as a platform for back-end and mongo dB as database.
* Developed Single Page Applications (UI) using Angular-JS, Node-JS and designed by using HTML, Bootstrap and CSS, jQuery, JavaScript.
* Used React Hooks to use state and lifecycle methods inside functional components to decrease complexity and improve maintainability and extensibility of system.
* Created services with Angular 12 to make service available for Dependency Injection.
* Started using Ionic 3 framework for mobile app development.
* Created and worked with various SQL and NoSQL databases such as AWS RDS Aurora DB cluster, MySQL, DynamoDB, MongoDB and connected to the database through DB Instances using the AWS Java SDK.
* Used Angular 12 Reactive forms to implement complex forms and dynamic forms to perform the validations using form builder.
* Wrote build & deployed scripts using Maven on Unix environment and participated in configuring Jenkins for build automation
* Using hints to improve SQL query performance.
* Optimized the performance of application using Angular 12 Lazy Loading and ahead of time compilation.
* Developed single page applications using Angular 12 by creating Typescript reusable components and services to consume REST API’s using component-based architecture.
* Involved in using new features with Angular 12 like Ng-If with Else, Pipes, compare selector and Validators followed by the client requirements.
* Developed XSLT files for transforming the XML response from the web service into HTML as per the business requirements.
* Developing web pages using HTML, CSS, JavaScript and used twitter Bootstrap for cross browser compatibility.
* Used version control repository SVN (Subversion by apache) and JIRA for issue tracking.
* Used Maven as a build tool and retrieved all the dependencies required for the application.
* Implemented SOA architecture with web services using JAX-RS (REST) and JAX-WS (SOAP)
* Developed Batch process framework using executive service framework to cascade multiple changes on multiple records in only one transaction.
* Created custom, self-contained, reusable and testable Angular 12 modules, components and services to implement key functionalities for customer account summary.
* Used Angular 12 Http services for asynchronous validations for the input fields of the forms with the data existed in the database.
* Took part in setting up the routing configuration using Angular 12 router for various views and sub views.
* Used lambda function in the AWS to send the logs from the application to the Splunk Dashboard.
* Used AWS console to monitor the Cloud watch logs to review the status and the health of the application.
* Monitoring the Splunk logs in the production environment.
* Built Splunk Dashboards to capture the errors and other metrics and discussed with the business.
* Actively participated in the Sprint meetings, Sprint retro and scrum meetings.
* Used JMeter to Load Test application and checking Vulnerabilities using Contrast Security & Twistlock.

**Environment:** Java 8, Java 11, APIGEE, Docker, AWS, REST, SOAP, Splunk, GitHub, Rancher, Concourse, Twist Lock, Contrast Security, Kubernetes, Java, J2EE, JSP, Spring, HTML, SCRUM, Agile, Maven, Gradle, Web Services, Microservices, PLSQL, JSTL, XML, JavaScript, Angular 7/9/12, AJAX, Log4J, TestNG, SQL, CSS, Hibernate, Grails, Apache Tomcat, ANT, UNIX, Windows, Junit, POSTMAN.

**Client: Fiserv, Austin, TX August 2021- Nov 2022**

**Role: Full Stack Developer**

**Responsibilities**:

* Designed and developed Micro service business components using Spring Boot and Implemented REST web services based on RESTful APIs.
* Worked on Lambda Expressions, Functional interfaces Stream API's, Time API, and Improvements on Collection, Concurrency, and IO improvements by using Java 8
* Recommend and develop strategy for integrating internal security model into new projects with Spring Security and Spring Boot.
* Developed micro services using Spring Boot and deployed in Docker containers on AWS ECS instances.
* Used Kubernetes for orchestration of the Docker containers.
* Worked on AWS IAM for security configuration for the services.
* Worked on AWS lambda expressions for cost effective solutions and event-based scenarios. Configuration and deployment of application on AWS cloud server.
* Involved in developing and delivery of a Micro service application utilizing almost of the AWS Stack including S3, EC2, DynamoDB, Kinesis, SNS and SQS.
* Managed Docker orchestration and Docker containerization using Kubernetes.
* Worked with SQL database Oracle and PostgreSQL and worked with it to perform many different operations.
* Working Knowledge on Amazon Web services and various services such as ECS, Cloud formation, Cloud watch, S3, EC2, RDS instances and IAM.
* Worked in frameworks as React.js to build high-quality, scalable and reusable components and Front-end solution.
* Implemented React-Router, React Redux architecture, ES6, web pack and Grunt to turn application into Single Page Application.
* Implemented Cloud watch alarms on our metrics in AWS.
* Experience on working with Cypress testing for End-to-End testing framework.
* Involved designing in web pages using React JS/Redux to build User Interface.
* Build user interfaces differently by breaking them into components using React JS and used a real, full featured programming language to render views, with React JS.
* Worked on responsive design and developed a single ISOMORPHIC responsive website that could be served to desktop, Tablets and mobile users using React JS.
* Implemented application testability and diagnostics and fixing bugs with the help of REDUX(Reducers) architecture.
* Responsible for implementing UI mockups, integrating third party react libraries, and handling/creating Redux store data.
* Developed React/Redux code using functional programming best practices to enable efficient pure function testing.

**Environment:** Java 8, ReactJS, Redux, Redux-Saga, Jenkins, Docker, Kubernetes, Spring boot, Hibernate, AWS, Cypress, CCP pipelines, Angular, PostgreSQL, TypeScript, JIRA, NPM, Micro services architecture, HTML, CSS, GITLAB, Spring Security, Spring boot.

**Client: Qualcomm, India                               July 2018 – March 2021**

**Role: Full Stack Developer**

**Responsibilities:**

* The back-end use of Node JS, Express JS, MongoDB, and Mongoose, the complete MERN Stack to provide RESTful API.
* Expertise in using React JS/Redux to build User Interface, strong knowledge of state store, middleware, action creator, reducer, and container.
* Implemented application testability and diagnostics and fixing bugs with the help of REDUX(Reducers) architecture.
* Experienced in working with Redux and Alt JS architecture.
* For client-side view rendering services, React JS typically used various predefined Redux libraries. Configured React-Redux for state management and React-Router for programmatic navigation. Implemented Store-Redux for holding the whole state tree of application and Reducer-Redux for describing actions.
* Utilized Modernizer extensively to build HTML5/CSS3 based page layouts that are cross-browser compatible and standards-compliant.
* Responsible for implementing UI mockups, integrating third party react libraries, and handling/creating Redux store data.
* Created and consumed RESTful API using Expres.js to provide centralized logic and reusable data retrieval build on top of Node.js
* Involved in using Spring Data JPA (Java Persistence API) framework and JPA Specification criteria builder to work with dynamic queries in java.
* Good understanding of Client- side build tools like Gulp, NPM(Node package manager), Grunt and dependency management using Browser.
* Handled Http Requests using Axios which supports Promise API functionality native to JS ES7.
* Used JWT (JSON web tokens) mechanism for authentication and authorization security configurations using Node JS.
* Implemented an express-graphql library to mount a **GraphQL** API server on the user-configured HTTP endpoint.
* Implemented a recursive algorithm to parse large **GraphQL** introspection queries into a dotfile format in order to visualize the one-to-many relations between schemas in a SVG format.
* Used Node JS for the communication to the server through Restful API and added user validations & permissions by using it.
* Worked with Babel and Webpack in application build and deployment processes.
* Developed a dashboard based on Ajax calls with Business Customers Count, Flags, Real-time graphs for Analytical Reporting using D3.js.
* Designed and developed independent Microservices using Spring Boot Rest Controller model and are deployed on UNIX boxes.
* Performed unit testing with Mocha and Chai JavaScript test framework.
* Extensively used Mocha and Chai JavaScript unit testing tools for testing JavaScript pages.
* Debugged the website using Chrome Developer's tools and hardcoded the API into script for getting the information about merchants using Node Js.
* Utilized Graph QL to acquire data from the API and perform queries on the existing data.
* Reactive API strong experience in integration tools like Apache CXF, Apache Camel Spring Integration and Mule ESB to integrate the enterprise application technologies with existing JVM environments.
* Worked on Docker hub, creating Docker images and handling multiple images primarily for middleware installations and domain configurations.
* Used Kubernetes to create a new cluster and container management tool.
* Created Storage Accounts in Azure and integrated to store application log files. Implemented Logic Apps that auto triggers on receiving http request and executing notification services.
* Developed Unit test scripts using Junit and Spock. Implemented logging using Log4j.
* Integrated Azure Log Analytics with Azure VMs for monitoring the log files, store them and track metrics and used Terraform as a tool, Managed different infrastructure resources Cloud, and Docker containers.
* Configured Redis (Remote Dictionary Server) with node server for caching the responses via cat box.
* Employed Spring Boot for initializing and bootstrapping the build configuration for the boot-based web applications.
* Project code build is done using the MAVEN tool.
* Able to create and manage External Lookups in Splunk to match event data with description.
* Used Continuous delivery / Continuous Integration (CD/CI) tools Docker and Jenkins to deploy this application.
* To manage the workloads and Docker containers, we used Kubernetes for deployment and deployed the applications using Docker container services and built CI/CD pipeline using Jenkins and pushed to GitHub.
* Implemented testing with Junit Framework using Mockito, Spring Junit Runner, JMeter, PowerMock and MockMVC.
* Installed, configured, troubleshoot AEM in Author as well and Publish environments.
* Configured DB2 as per AEM schema.
* Installed, configured, troubleshoot AEM in development as well as system environment.
* Configure and Install Splunk Enterprise and Apache Server for user and role authentication and SSO.
* Maintaining and troubleshooting Cassandra Clusters this includes monitoring and performing troubleshooting as per requirements.
* Spring Cloud-Netflix OSS Stack has been deployed, along with Ribbon for client-side load balancing, Netflix Zuul API Gateway with Hystrix Circuit Breaker and Eureka reverse proxy infrastructure service registry for fault tolerance.

**Environment**: Angular 5.0/4.0, Node JS, Express JS, HTML5, CSS3-SASS, Twitter Bootstrap4.0, Site Minder, Hibernate4.x, OAuth2.0, OIDC, Eclipse Java EE IDE, JIRA, Apache Kafka, IBM MQ, Jenkins, GraphQL, Babel,Log4j, Redis, Mongo DB, Mongoose Connector.

**Client: BSNL, India Apr 2016 – June 2018**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Involved in development, design and implementation frontend part of the widget-based application using HTML 5, CSS3-LESS, AJAX, Bootstrap 4.0.
* Expertise in using React JS/Redux to build User Interface, strong knowledge of state store, middleware, action creator, reducer, and container.
* Design and Developed a Micro Service Oriented application with React JS in the front end and Spring Boot services.
* Developed user interface by using the React Js, Redux for SPA development and implemented client-side Interface using React Js.
* Worked on various features in ECMAScript 6 (ES6) such as Arrow functions, Classes, and Enhanced object literals.
* Used Express JS which is fast, assertive, essential, and moderate web framework of Node JS that helps manage a server and routes.
* Designed and developed RESTful web services using Spring boot, Spring framework and integrated using microservice architecture.
* Used Spring Data JPA as the ORM framework to connect with the MYSQL database.
* Implemented Spring Security OAuth 2.0 and OIDC Token mechanism for authentication and authorization for social websites logins using Spring Social Module.
* Developed key services for authorization and authentication in Node server, where we used LDAP. Later migrated the authentication from LDAP to Ping Access-SSO (Single Sign On) Application.
* Responsible for implementing UI mockups, integrating third party react libraries, and handling/creating Redux store data.
* Involved in design and development of GraphQL and services to interact with data storage layer.
* Implemented Spring Validators, persistence layer, and service layer components using Spring/Hibernate API and Spring/Hibernate annotations. Extensively used Hibernate QL.
* Working with an Agile, Scrum methodology to ensure delivery of high-quality work with 2 weeks iteration.
* Create test plans, scenarios, and cases to verify business requirements.
* Used Azure Resource Manager (ARM) to deploy, update, or delete all the resources in a single, coordinated operation.
* Defined set of resources and specified deployment parameters to Azure Resource Manager (ARM) templates to create a resource group for dev/qa/uat/prod environments.
* Used Azure Functions to integrate applications and run backend processes according to schedules without provisioning/managing servers.
* Integrated Node.js with Express.js and communicated with the database for CRUD operations on the data repository.
* Created Docker images from Docker file and handled multiple images by storing them in containers to deploy.
* Developed the web application based on the Node.JS micro services architecture using Express and MongoDB.
* Implemented Virtual DOM for Client-Side view rendering services using REACT JS.
* Implemented Redux –Thunk to perform action creators.
* Worked with Jest JavaScript testing to ensure correctness of JavaScript codebase.
* Worked with Java concepts –asynchronous programming, multithreading, collections, and a few design patterns.
* Implemented CI/CD pipeline with Docker,Jenkins and Azure Container Service.
* Used Continuous delivery / Continuous Integration (CD/CI) tools Jenkins to deploy this application.
* Used configuration file and Node JS at backend to interact with MongoDB using Mongoose connector.
* Implemented JWT (JSON Web Tokens) for creating tokens to assert claims in the application and thus providing authentication of RESTful services.
* Used Spring boot to develop REST web services within the application. Developed RESTful Web services to create new subscription/account and updating them for mobile value chain in JSON format and consumed Rest Web services from the browser using React JS.
* Worked with Babel and Webpack in application build and deployment processes.

**Environment:** React JS, redux, Es6 ,Ajax, bootstrap, Spring Boot, Express JS, Node JS, MongoDB, Rabbit MQ, Redux-Thunk, Axios, Azure,JEST (Testing), Java, Docker, Mongoose connector, JWT Token, Spring AOP, Rest Services, Babel, Webpack, OpenShift.

**Client: Global Tele Systems, India Jan 2015– Mar 2016**

**Role: Java Developer**

**Responsibilities:**

* Implemented client-side validations using AJAX and Javascript.
* JSP was created using Struts tag libraries and configured in the Web.xml, Struts-config.xml file, and action classes were built, action type classes were created.
* Developed an application using J2EE technologies like Struts2, Hibernate, Java, JSP, Servlets.
* Developed SOAP services with JAX-WS using Apache CXF framework with data representation in XML format.
* Created Mock-up designs and developed various functionalities with JavaScript and jQuery.
* Designed interactive web pages using HTML, CSS, jQuery, JavaScript, Bootstrap.
* Involved in Requirement gathering, Conceptual Design, Analysis, Detailed Design, Development and Testing of the application.
* Created Hibernate mapping files, sessions, transactions, Query & Criteria to fetch the data from MYSQL Database.

**Environment**: Java 8, Design Patterns Singleton, Abstract Factory, Hibernate, Parameterized Statements, MyBatis, JSP, Servlets, EJB, JAXB, WebSphere 7.0, Maven, Shell Scripting.

**Client: CDAC, India June 2013 – Dec 2014**

**Role: Java Developer**

**Responsibilities:**

* Developed a JAVA application to test integration of Informatica tool with Hadoop clusters running spark jobs with over 120 scenario.
* Prepare the Azure cloud infrastructure Azure Resource Manager Templates.
* Used Apache Kafka to collect events and process it to start and stop nodes and issue other environment testing commands.
* Written Servlet and deployed them on IBM Websphere Application server.
* Assortments, Products to Apache Kafka Topic by using custom Serializers. Exposed teh endpoint for Swagger and developed API's for documenting RESTFUL Web services. Experience in Implementing API's in Java Multi-Threaded Environment
* Set up Cloudera agents on Linux based clusters using shell scripts.

**Environment:** Java JDK7, Apache Kafka, YARN API’s, Cloudera management console.