Utpaladitya Chaudhary

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**Summary:**

* **Overall, 7+ years of broad involvement in Design, Development and Maintenance of Web applications with great information and working knowledge on Multi-Tier Architectures utilizing web centric innovations in various domains.**
* Experience using J2EE Design Patterns **like MVC, DAO, Singleton, Factory pattern, and service locator and Delegate.**
* Extensive experience working in **Spring framework, Struts framework, O/R Mapping Hibernate framework, Mybatis and web services.**
* Experience using **Spring MVC, Spring Boot, Spring Cloud, Spring DAO, Spring Data, Spring IOC, Spring Annotations, Spring AOP, Spring Transactions and Spring Security.**
* Good Knowledge on developing the UI pages from scratch using **HTML5, CSS3, JavaScript, jQuery, AJAX, Angular JS, React JS and Node JS.**
* Expertise in the implementation of Core concepts of **Java, J2EE Technologies: JSP, Servlets, JSTL, JMS, Struts, Spring, Hibernate, EJB, Java Beans, JDBC, XML, Web Services, JNDI, Multi-Threading.**
* Expertise include **Agile - Scrum and waterfall methodology**, testing tools and automation, and managing the product lifecycle, sprint planning, sprint review.
* Strong database development skills using Database Servers like **Oracle, Sybase, and SQL Server.**
* Having knowledge **on Java 1.8 features like Lambda expressions and functional interfaces, and Parallel Streams.**
* Have Experience on REST Micro services using Spring Boot for the customers to consume data.
* Familiar with web services formats **XML and JSON.**
* Experience in writing SQL, PL/SQL Procedures / Functions, Triggers and Packages on Database
* Good understanding of NoSQL Databases and hands on work experience in writing application on NoSQL databases like **Cassandra DB, MongoDB, PostgreSQL DB**
* Good experience in working with Web/Application servers like **Apache Tomcat, IBM WebSphere and/or Web Logic, JBOSS.**
* Worked **on CI/CD** tools for creating **Jenkins** jobs, trigger the build and perform release cuts of the application.

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| **Programming Languages** | Java, C++, SQL and PL/SQL |
| **Java Technologies** | JSE, JDBC, JPA, AJAX, JSP, Servlets, EJB, JMS, JSTL, JNDI |
| **Web Technologies** | HTML5, CSS3, JavaScript, AngularJS, Angular 2.0/4.0, Angular 7,  Node.js, React JS, Bootstrap, XML, XSD, XSL/XSLT, AJAX, jQuery,  JSON, Typescript |
| **Webservices** | REST, SOAP, WSDL, SAAJ, SAXJ, RESTful, AWS, Microservices,  JAXB, Apache-CXF |
| **ORM technology** | Hibernate, iBatis, MyBatis |
| **Application Servers/Web Servers** | WebLogic, Web Sphere, Oracle Glassfish, Wildfly, Jboss, Apache  Tomcat. |
| **Applications Frameworks and modules** | Struts, JSF, Spring Framework, Spring MVC, Spring Boot, Spring,  Cloud, Spring, Batch, Spring Core, Spring Hibernate, Spring  JDBC, Spring Security. |
| **Databases** | Oracle, MySQL and SQL Server, MongoDB, Cassandra. |
| **Operating Systems** | Windows, Linux and Solaris. |
| **GUI** | HTML, DHTML, HTML5, CSS3, SASS, Java Script, JSP, jQuery,  AJAX, AngularJS |
| **IDEs** | NetBeans, Eclipse, IntelliJ, RAD. |
| **Version Control Systems** | CVS, SVN, Bamboo, GIT |
| **Tools Viewer** | JUnit, Log4J, DOM |
| **SOA/Webservices** | WSDL, SOAP, SOA and REST services, |
| **Build Automation Tools/ Issue Tracking Tools** | ANT, Maven, Gradle, Jenkins, Jira, Rally, Ansible, puppet |
| **Cloud Technologies** | AWS (Elastic Search, EC2, S3, EMI, ELB, Dynamo DB), Docker,  Azure, PCF |

**Education:**

* Bachelor’s in Computer Science & Engineering from Rajasthan Technical University, Kota India.
* Master’s in Computer Science from University of Georgia, GA, USA

**Working Experience:**

**Humana, Louisville KY - Miami, FL Jan 2019 – Till Date**

**Sr. Java Full Stack Developer.**

**Responsibilities:**

* Involved in requirements gathering, analysis, design, development, testing and deployment of web and enterprise applications.
* Developed web pages using Servlets and XML for various modules.
* Created data and security architecture patterns for MicroServices in a co-existence scenario.
* Use modern data analytics and visualization tools including elastic search, Kibana, build efficient application metrics monitors
* Created new RESTful Webservices using JSON data format to communicate with all external system using Spring MVC framework.
* Implement data aggregations scripts using elastic search and/or spark in order to evaluate backend services from functional as well as performance point of view.
* Used databases like Oracle 11g, SQL Server 6.5, Couchbase, and NoSQL database like Mongo DB, Cassandra DB as distributed database.
* Designed and developed the application using agile methodology and followed Test Driven Development (TDD), Scrum.
* Created custom data objects in OUD Oracle Unified Directory (OUD) 11g.
* Expertise in using of Node JS, Express JS, and Mongo DB along with Mongoose.JS to create server side applications
* Implementing Service oriented architecture (SOA) and OOP concepts using Web Services like SOAP, REST services.
* Migrate Oracle 11g database to PostGreSQL database using ESF Database migration toolkit.
* Prepared, arranged and tested Splunk search strings and operational strings.
* Sending and receiving event between nodes through RabbitMQ and processed via Akka Streams, which manage the state with Cassandra and communicate between other MicroServices with Kafka
* Developed Apache Camel endpoints and used producer template to route messages to JMS queues.
* Involved in creating Message enrichers and customizing REST responses using Camel Freemarker templates.
* Responsible for developing the application using Angular JS, Node JS, Typescript, JSP, CSS3, HTML 5, jQuery, Bootstrap, Struts and Javascript.
* Develop the REST Microservices using Java JDK 1.8, Scala, on IntelliJ platform by gathering the knowledge of previous phase resources and integration with Oracle.
* Coded new current account opening functionality for existing online members using Java, struts and RESTful web services.
* Used rally for task allocation and status tracking as per Agile environment.
* Performed System Testing during Hardening Phase of the System and reported the defects using Rally.
* Secured the API's by implementing Oauth2 token-based authentication using spring security.
* Used JavaScript and CSS to have better Control on the Browser.
* Implemented the security on microservices using Spring Boot Auth server which generated JWT tokens as OAUTH2 mechanism.
* I have done testing of the product, creating any defect and tracked any issues using Rally.
* The views are programmed using JSP pages with the struts tag library, Model is the combination of EJB’s and Java classes and web implementation controllers and Servlets.
* Loading, analyzing and extracting data to and from Elastic Search with Python.
* Developed Spark code using Python for faster processing of data on Hive (Hadoop). Developed
* Hands-on experience with Amazon EC2, Amazon S3, Amazon RDS, VPC, IAM, Amazon Elastic Load Balancing, Auto Scaling, Cloud Front, CloudWatch, SNS, SES, SQS and other services.
* Created Amazon S3 buckets to keep the web app files and the CloudFormation templates.
* Developed code in Java, J2EE, Webwork and Hibernate using XP Practices Pair Programming, TDD, Continuous Integration.
* Used MicroServices architecture, with Spring Boot based services interacting through a combination of REST and Spring Boot.
* Design and implement disaster recovery for the PostgreSQL Database
* Create Spring Boot based MicroServices apps for various stages (Integrate, validate, rate, pay, decision, aggregate, audit and exception)
* Developing single page application by using Covalent open-source framework, which is built on Angular 7, Angular-cli, Typescript, Material design, Karma, Jasmine, d3, NGX, SCSS.
* Used Angular 7 and Confidential Covalent UI as framework to create a Single Page Application (SPA) which can bind data to specific views and synchronize data with server.
* Developed user interface by using the React JS, Redux for SPA development.
* Project Setup using my eclipse, IntelliJ and servers like tomcat, JBoss
* Used React JS for templating for faster compilation and developing reusable components.
* Design and implement end-to-end data solutions (storage, integration, processing, visualization) in Azure
* Design and implement database solutions in Azure SQL Data Warehouse, Azure SQL
* Used various sources to pull data into Power BI such as SQL Server, Excel, Oracle, SQL Azure etc.
* Architect and implement ETL and data movement solutions using Azure Data Factory.
* Extensively used Java 8 features such as lambda expressions, Parallel operations on collections, multithreading and for effective sorting mechanisms.
* Used Streams and Lambda expressions available as part of Java 8 to store and process the data.
* Experience with Front-end JavaScript frameworks like Angular JS, Node JS. And with the creation of RESTful Web service
* 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..
* Created Airflow Scheduling scripts in Python to automate the process of sqooping wide range of data sets.
* Used Amazon Cloud Watch to monitor AWS services and Amazon Cloud Watch logs to monitor application.
* Patch, Upgrade and keep the PostgreSQL DBs current. Review all PostgreSQL logs for problems
* Built Single Page Applications framework. Built Angular 7 framework including MVC architectures, different modules, templates, custom directives and custom filters.
* Used Angular 7 framework where data from backend is stored in model and populated it to UI.
* Managed Kubernetes charts. Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest file
* Responsible for creating efficient design and developing User Interaction screens using HTML, CSS3, Bootstrap, JavaScript, Angular 6/7 and Node JS.
* Maintained content for www.ed.gov using Drupal CMS. Technologies used include; Agile, Drupal, Java/J2EE and Flash. Used Drupal reporting functions to provide data, statistical reports on how content was being managed and maintained.
* Used MicroServices architecture, with Spring Boot-predicated services interacting through an amalgamation of REST, Swagger, Cassandra and MQ message brokers and leveraging
* Enhanced application performance by Angular 7 Component based development in view of future Angular framework transitions.
* Created custom, self-contained, reusable and testable Angular 6/7 modules, controllers, directives and services to implement key functionalities for customer account summary.
* Extensively worked in Test Driven Development (TDD) framework using Junit5.
* Provide technical consultation and delivery services to customers for CI/CD and DevOps initiatives.
* Installation, administration and maintenance of CI/CD applications: Jenkins, Artifactory, SonarQube, Stash and Docker.
* Worked on Maven Scripts to deploy application code into Tomcat servers.
* Developed test cases and performed unit test using Junit5 Framework.
* Experience in continuous integration using Jenkins for timely builds, code coverage, running test
* Created private cloud using Kubernetes that supports DEV, TEST, and PROD environments.

**Environment:** Java8, J2EE, Angular 5/6/7, Servlets, JMeter, EJB, Struts, JSP, JDBC, JNDI, XML, HTML/DHTML, CSS, Webservices, AWS Lambda, Kafka, JMS, AJAX, SOA, Couchbase, IBM MQ, WebSphere, JUnit, Windows, UNIX, SQL and Oracle 10g, 11g, Spring, Hibernate Frameworks.

**American Freight, Glen Allen, VA Feb 2018 - Dec 2018**

**Sr. Java Developer**

**Responsibilities:**

* Developed application using Spring MVC, Hibernate and Rest web services on presentation layer, business layer is built using Spring and the persistent layer.
* Wrote Technical design document with the class, sequence, and activity diagrams in each use case.
* Cassandra Cluster planning which includes Data sizing estimation, and identify hardware requirements based on the estimated data size and transaction volume
* Designing, creating, Running and monitoring spark job on Cassandra cluster for validation, loading from Oracle RDBMS
* Worked on custom libraries for business layer using Object oriented programming (OOP).
* Configuring Sharding, monitoring, and identify the proper shard key Selection, inserting large amounts of data Performing Security measures, backups and restore backups for Mongo DB
* User Management - creating users, assigning roles, managing permissions for SQL Server, Mongo DB database server
* Lead in Installation, integration and configuration of Jenkins CI/CD, including installation of Jenkins plugins.
* Involved in writing JSF Backing Beans for controlling the UI and writing custom components and validations.
* Created real-time dashboard for Executives, utilizing Logstash, graphite, Elastic Search, Kibana & Redis.
* Implemented agent-server messaging dialog using Camel and JMS (Active MQ implementation)
* System integration framework with Apache Camel and Enterprise integration patterns
* Identifying the problem areas by using elastic search Kibana with Logstash to import .csv files. Using Solr over Lucene index provided a full text search for analysis and quantification.
* Implemented Spring boot MicroServices to process the messages into the Kafka cluster setup.
* Had knowledge on Kibana and Elastic search to identify the Kafka message failure scenarios.
* Writing UNIX scripts to perform certain tasks and assisting developers with problems and SQL optimization.
* Designed and developed UNIX shell scripts as part of the ETL process, automate the process of loading, pulling the data.
* Performed a lot of DOM manipulation using JavaScript and JQuery for loading and manipulating dynamic content on WebPages.
* Presentation tier of the application was built completely on Struts framework. Coded the Login, Policy and Claims Screens for customers using AJAX, JSP, HTML, CSS, and JavaScript.
* Core java development for different components. Developed the application using Core Java, Multi-Threading, Spring Core, Beans, JDBC, Transaction and Batch , Oracle. Maven.
* Indulged in core development, deployment and server side configurations, where in did programming in core java, scripting in Linux, configured the OS parameters, application server's settings and JVM tuning for utilizing the CPU and heap.
* Converted existing SOAP-based services to SpringBoot Rest services. Wrote unit tests in Junit/Mockito.
* Built administrator page displaying profile information in React.js and GraphQL.
* Built Angular 4 components, UI services to consume rest services using Component based architecture provided by Angular 4.
* Developed powerful Single Page Application and dynamic responsive Web Application with Angular 4.
* Used MicroServices to communicate using synchronous protocols HTTP and REST for implementing SOAP.
* Automated 100% of functional and performance MicroServices tests using Gatling/Scala framework.
* Experience and building an isomorphic application using React.js and Redux with GraphQL on server side.
* Migrate data from traditional database systems to Azure databases
* Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST API s and Spring Boot for MicroServices.
* Used Hibernate annotations for mapping objects to the relational database and Implemented persistence using Hibernate
* Developed Single Page applications using Angular 4 using components, directives using Typescript.
* Worked on AWS, High Availability Practices and deploying backup/restore infrastructure.
* Developed web pages using Servlets and XML for various modules.
* Added Excel-Builder to download the Tabular data in Excel format using React.
* Experience on AWS Deploying, managing and operating scalable, highly available, and fault tolerant systems and managed continuous delivery systems and methodologies on AWS.
* Implemented JSF Converters to handle formatting and Localization and configured the faces-config.xml for converters and validators.
* Wrote data Components for Plan Setup, wrote and called Stored Procedures using Java HQL, Hibernate.
* Implemented client-side Interface using Angular 4 and structure JavaScript code in an MVC
* Maintained Interface compatibility and concurrency in the project using Java 8 new features like default, static methods and Concurrency API.
* Used Java 8 Method References feature to point to methods by their names and used functional Interfaces.
* Used JSON for data transmission for MicroServices
* Implemented search engines by using Angular JS filter to make the data searchable and sortable.
* Experience in using React JS components, Forms, Events, Keys, Router, plus Redux, Animations and Flux concept.
* Worked with core Java technologies like Multi-Threading and Synchronization.

**Environment:** J2EE/J2SE, Java, JSP, JSF, Apache, Spring Frame Work, Spring Batch,CouchBase, Hibernate, Elastic Search, JDBC, NoSQL, JMS, CSS3, Mongo DB, Apache CXF, LDAP, JNDI, WSDL, SOA, SOAP, XML, HTML, Log 4j, WebSphere 7

**Cetera Financial, El Segundo, CA July 2016 – Jan 2018**

**Java Developer**

**Responsibilities:**

* Designed and developed front end using JSP, JSTL, JQUERY and other custom tag libraries.
* Used JQUERY widgets like Date Picker, Accordion, and Tabs.
* Added Excel-Builder to download the Tabular data in Excel format using React.
* Used JQUERY framework for AJAX calls.
* Used Tomcat (local server) to deploy the application and responsible for developing integration test for an AWS-hosted cloud application using TDD.
* Derived best practice using OO Design patterns, TDD methodology, PMD Code analyser, Jacoco Code Coverage.
* Responsible to install, configure, monitor systems developed on Cloud IaaS environments with PCF PaaS running on top of it.
* Deployed Spring Boot based MicroServices in Docker and Amazon EC2 container using Jenkins
* Developed MicroServices using Spring MVC, Spring Boot, and Spring Cloud
* Works in using React JS components, Forms, Events, Keys, Router, Animations, and Flux concept.
* Work son React JS Virtual Dom and React views, rendering using components which contains additional components called custom HTML tags.
* Used Spring framework in the development of a business bean and to interact with the   
  Hibernate ORM tool.
* Redesigned and re-implemented services using NGINX, Node JS, Express JS, Mongo DB, and MySQL.
* Experience with Front-end JavaScript frameworks Node JS. And with the creation of RESTful Web service.
* Strong Core Java background with experience in Collections, Multi-Threading, Java 8, Interfaces, RMI, Serialization, Synchronization, Exception Handling, Java Swing, OOPs techniques, Logging and Performance Tuning.
* Used Bootstrap and Node.js in effective web design.
* Developed Business logic with the help of spring and Data Access was implemented by using   
  Hibernate.

**Environment:** JDK 1.5, Spring framework, React JS, Node JS, Hibernate, Web services (SOAP, WSDL), XML, XSLT, WebLogic, Rational Rose, Windows XP, Maven, JavaScript, JQUERY, HTML, JUnit, CVS, Log4J, AJAX, CSS, Eclipse IDE and Oracle 10g.

**Infosphere Information Technology Machines Private Limited, India July 2013 – March 2015**

**Java Software Developer**

**Responsibilities:**

* Involved in various Software Development Life Cycle (SDLC) phases of the project.
* Developed the application using Struts Framework x1.0, which is based on Model View Controller design pattern.
* Implement modules into Node JS to integrate with designs and requirements.
* Extensively used Hibernate in data access layer to perform database operations.
* Used Spring Framework for Dependency Injection and integrated it with the Struts Framework and Hibernate
* Implemented Node JS as a server-side proxy for an observing various response time.
* Used Node.js framework for better organization of the code.
* Developed front end using Struts framework.
* Designed and developed front-end using struts framework. Used JSP, JavaScript, JSTL, EL, Custom Tag libraries and Validations provided by struts framework.
* Worked on advanced Hibernate associations with multiple levels of Caching, lazy loading.
* Involved in consuming RESTful Web services to render the data to the front page.
* Performed unit testing using JUnit framework.

**Environment**: HTML, JSP, Servlets, JDBC, SQL, JavaScript, Eclipse IDE, XML, XSL, Tomcat.

**Cognizant Technology Solutions, Gurgaon, India June 2012 – June 2013**

**Web Developer**

**Responsibilities:**

* Developed prototype using HTML, CSS, JavaScript, Node JS and WebLogic Application Server as per the client specifications and specific user validations.
* Started as a monolithic application that runs on Jboss, later migrated it in to a set of Spring boot and Node.JS MicroServices.
* Designed and developed Customer registration and login screens using HTML, JSF, Servlets and JavaScript.
* Designed and developed JSF components, implemented event handling using Java, JSF, AJAX, and JavaScript for various modules.
* Configured JDBC and LDAP Security in the application server. Developed LDAP server configuration files to enable encryption support for password storage.
* Used Scripting Languages to validate client-side parameters.
* JDBC is used for data interaction with Oracle database.
* Involved in design and development of SQL, PL/SQL, Functions and Stored procedures for performing database operations.

**Environment:** Java, J2EE, Maven, Spring, Hibernate, Web Services, XML, JavaScript, AJAX, Bootstrap, JSF, JSP, Web Services WSDL, Junit, GIT, MVC, Eclipse. Oracle 10g.