SAURABH TIPRE

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**Professional Summary:**

* Over 10+years of work experience as a Software Developer(Java)with all the phases of Software Development Life Cycle Analysis, Design, Development, Testing, and Implementation.
* Extensive experience in using **Java, J2EE, EJB, JNDI, JMS, Web Services, JSP, Servlets, Struts, Spring, XML, ANT, JavaBeans, JDBC, and JFC/Swing.**
* **Good Exposure to Java 1.8, like Lambda Expressions, Streams, and Parallel Streams**
* Experienced in developing **MVC** architecture using **Servlets, JSP, Struts Framework, Hibernate Framework, Spring Framework, and Spring Boot.**
* Experience using various **J2EE Design Patterns** such as **Session Façade**, **Service Locator**, **DAO, DTO (Data transfer object), Value Object, Front Controller, Factory, Business Object, Value Object,** and **Singleton.**
* Experience in Cloud technologies like IBM Bluemix AWS, GCP
* Good working knowledge with **Java 1.8** features like **stream, Lambda expressions** and **functional interfaces** etc.
* Experienced in developing front-end technologies such as AngularJS 1. x, React.JS, JavaScript, jQuery, Node.JS, HTML5, and Bootstrap.
* Worked as Java Developer in Analysis, Development ,Implementation and support of Oss/Bss and IT applications in Telecom and retail Industry in Devops Methodology
* Experience with DevOps tools Harness, Fortify, and Sonarqube with two to three years.
* Proficiency in **Hibernate** and the **O/R mapping** to map Java domain objects with the database spring framework to easily configure J2EE applications.
* Expertise in development Frameworks Struts,Vert.x,Spring,EjB,Hibernate and Mybatis
* Experience in **OOP** (Objective Oriented Programming) like **Inheritance, polymorphism, Abstraction, and Encapsulation.**
* Good Understanding in **databases** such as **Oracle, MySQL, SQL Server, NoSQL, Mongo DB and IBM DB2** databases to manage tables, views, indexes, sequences, stored procedures, functions, triggers and packages
* **Have knowledge on Kotlin android Extensions framework.**
* **Strong Knowledge of Oracle Cloud services such as Oracle Autonomous Database, Oracle Cloud Functions, or Oracle Cloud Storage. Provision these services in Oracle Cloud account.**
* Experienced in creative and effective front-end development using **JSP**, **JavaScript**, **HTML,** and **CSS**.
* Hands-on experience with various Applications and Web servers (**IBM Web Sphere** **Application Server**, **JBoss**, and **Tomcat**) with various development tools like **IBM RAD** **My Eclipse**.
* Good exposure and experience with **Service Oriented Architecture (SOA) such as Web Services, including SOAP, WSDL, JMS (Java Messaging Service), AJAX,** and tools like **ANT Junit.**
* Very strong experience designing a web-based application that supports **cross-browser** requirements for **IE 7/8/9, Firefox, Safari, and Google Chrome**.
* Good Exposure in writing SQL queries, PL/SQL stored procedures/functions, etc., for relational databases like **Oracle** **10g/9i/8i, DB2, SQL Server 2000, MySQL, and Sybase**.
* Strong experience in database design using **DDL**, **DML**, writing complex **SQL Queries,** and **Stored Procedures**.
* Rich experience in agile methodologies such as extreme programming (**XP**), **Scrum**, waterfall model, and Test-driven environment.
* Familiarity in **cloud platforms** such as **AWS** and **GCP**, and skilled in scripting languages: **Bash** and **Python** to develop efficient automation tools. Familiarity with cloud platforms such as **AWS, GCP,** and **Azure.**
* **Worked on developing web portal which Acts as the one place stop of creating promotions to be available in varios channels for the retail customer**
* Experience in using Open Source Frameworks like **JUnit Log4J**.
* Experience working with versioning tools like **CVS**, **SVN,** and Clear Case and build tools like **ANT** and **Maven**.
* Strong experience in client interaction and understanding business applications, business data flow, and data relations from them.

**TECHNICAL SKILLS:**

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| Programming Languages | Java, C++, Python, SQL, and PL/SQL |
| Java Technologies | JSE, JDBC, JPA, JSF, AJAX, JSP, Servlets, EJB, JMS, JSTL, JNDI |
| Web Technologies | HTML5, CSS3, JavaScript, AngularJS, Angular 2.0/4.0, Angular 6/7/8, Node.js, React JS, Bootstrap, XML, XSD, XSL/XSLT, AJAX, jQuery, JSON, Typescript |
| Webservices | REST, JAX-RS, SOAP, JAX - WS, WSDL, SAAJ, SAXJ, Microservices, JAXB, CXF |
| Application Servers/Web Servers | WebLogic, Web Sphere, JBoss, Apache Tomcat, Oracle. |
| 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, SQL Server, MongoDB, Cassandra DB, Couch DB, Postgres DB |
| IDEs | NetBeans, Eclipse, IntelliJ, RAD. |
| Version Control Systems | CVS, SVN, Bamboo, GIT |
| Tools Viewer | JUnit, Log4J, DOM |
| Cloud Technologies | AWS (Elastic Search, EC2, S3,GCP,EMI, ELB, Dynamo DB), Docker, PCF, Azure, PaaS, SaaS. |

**PROFESSIONAL EXPERIENCE:**

**Client: PayPal - New Jersey**

**Feb 2022 - Present**

**Role: Sr. Full stack Java Developer**

**Responsibilities:**

* Involved in Software Development Life Cycle for gathering requirements, Analysing, Designing, Developing, and Testing applications using **Agile methodology.**
* The application is built in **Micro Service** Oriented Architecture using **MEAN 4+ (Mongo, Express Angular 8.0, and Node)** stack and developed **Single Page Applications (SPA).**
* Developed multiple Angular components that are compatible with the latest versions of **typescript angular CLI.**
* Developed Open stack API to Integrate with GCP (Google Cloud), including creating build images and publishing to artifactory, high availability practices and deploying backup/restore infrastructure.
* Used different user interface technologies: HTML5, CSS3, Query, JavaScript, Angular 4, and JSON to develop the application's GUI. Developed the application using Angular 4, Ul Bootstrap.
* Followed agile methodology during the complete SDLC process. Developed Microservices to provide RESTful API utilizing Spring Boot with Spring MVC. Developed applications using Spring Boot and Microservices Architecture.
* **Generating the supply chain and demand report for the business usage.**
* **Created POC for automatic update for the deployment status using vert.x Framework,HTML5,Css3,Javascript,junit&java**
* Developed the web pages Java, JavaScript, |Query, backbone, handlebar, Mockjax, Ember, and J2EE technology framework using Spring 2 MVC, JDBC, Hibernate, and Web Services with J2EE design patterns using Eclipse.
* **Involved in flow Analysis using different tools like Glassbox,Kibana and splunk**
* Used **Java 1.8 Lambda** expressions along with **Streams** for creating internal iteration and performing chain operations such as **Filter**, **Map**, **Collect** on a collection Objects\
* Used Oracle Cloud's APIs or SDKs (Software Development Kits) for Java to interact with the specific Oracle Cloud services integrating. These APIs provide programmatic access to Oracle Cloud resources.
* **Leading in Designing solutions in the microservices pattern using Agile Methodology**
* Worked with the NoSQL database MongoDB and worked with it to perform many different operations. CO Created Views and sequences in the Oracle cloud database and modified the existing PL/SQL stored procedures. Used Jenkins application to build and perform continuous deployments of JBOSS war files.
* Re-designed, re-architected, and built the existing application using **Java 11, Spring Boot, Spring Reactive Stack (Web Flux), GCP, PostgreSQL, and Maven.**
* Involved in **WebLogic 11g/10/9.2** testing and analyzing performance metrics and creating respective WebLogic resources
* Used **Spring** **JDBC** **API** to talk MySQL Database for **Read** and **Write** operations.
* worked in designing and developing web application for supply chain management.
* Strong experience in supply chain Management(Production Planning)
* Worked in writing minimal code in building re-usable forms with their validations using **REACT** with **Redux** Architecture.
* Implemented asynchronous messaging service using **Kafka** in a Microservices-based application
* Used Subversion (SVN) and GitHub to maintain the versions of the project's source code.
* Worked on JSON for storing and exchanging information between browsers and Rest APIs and even worked on JSON data format for asynchronous browser-server communications. O Worked with MySQL, SQL, and Oracle cloud AWS EC2 instances were configured in dev and environments with Nodes.
* Handled integration of frameworks like Spring Boot, spring, and Hibernate. Database Being Oracle, Elastic Search. Persisting Txns to Elastic search with Spring boot.
* Created a few utility tools and applications using React JS, Spring Boot, Spring Microservices, and MongoDB.
* The Mobile application was developed with Java mixed with Kotlin using Android Studio and Web API with .NET Core 2 using Visual Studio.
* created POC for ssl authorization using vert.x Framework
* Worked in Designing and developing web application for supply chain Management
* Used Apache Log4j and SLF4J for logging errors in the applications and used Junit for unit testing the developed code. Developed the Jest client read the Data from Elastic search.
* Implemented core Java methodologies like Interfaces, Collections, and Multi-Threading. Involved in unit Test cases for front-end, using Jasmine test framework and Karma test runner.
* Used Node Js for server-side rendering. Implemented modules into Node Js to integrate with designs and requirements. Written modular, secure, and well-tested front-end code in Typescript, HTML, and CSS using the latest web.
* Setting up the BOM and exploring the BOM for the engines based on the supply of the engines
* Performed Unit testing on **ReactJS** applications using Karma and Jasmine tools and worked with the Gulp tool.
* Using Kotlin for implementing new modules in the application.
* Designed and developed efficient user Interaction screens using **HTML5, CSS3-SASS, and Twitter Bootstrap CSS** framework and media queries to create responsive web pages.
* Implemented core Java methodologies like Interfaces, Collections, and Multi-Threading. Involved in unit Test cases for front-end, using Jasmine test framework and Karma test runner. Used Node Js for server-side rendering.
* Implemented modules into Node Js to integrate with designs and requirements. Written modular, secure, and well-tested front-end code in Typescript, HTML, and CSS using the latest web.
* Used Grails domain objects and **hibernate** for backend processing and DB mapping.
* Created dynamic schema design through **NoSQL MongoDB** by writing rich queries and achieved data in a collection to be distributed across multiple systems for horizontal scalability as data volumes increase through Sharding.
* Implemented Microservices architecture with Netflix, Spring Eureka, and Spring Ribbon using Spring Boot to provide client-side load balancing in calls to other Microservices, making applications into smaller chunks and the Spring Hystrix circuit breaker and for the fail-safe.
* Kubernetes is configured to automate containerized application deployment, scaling, and management.
* Implemented **AWS** solutions using **E2C, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups, Optimized volumes,** and **EC2** instances, and created monitors, alarms, and notifications for EC2 hosts using Cloud Watch.
* Involved in doing a performance benchmark of **WebLogic** server by using Load runner.
* Working with (consuming) **REST** or **GraphQL** APIs via client-side JavaScript or server-side via **NodeJS**.
* Programmed J2EE application to manage transaction reports for Oracle Financials Application Processes.
* Authenticating Users to provide security to Restful web services using **OAUTH 2.0.**

**Environment:** Java 1.8/ 11, Angular 7/8, Supply chain,Mysql,Node JS, Glassbox,Vert.X,J2EE, Git, Spring Boot, Hibernate, Core Java, AWS, Rest, Web Services, Eclipse, RCP SASS, WSDL, JIRA, JMS, PostgreSQL, Mongo DB, AWS, Spring Cloud, Spring batch, Apache JMeter, JQuery, JUnit, Docker, Maven, Jenkins, Jasmine, Junit5, Oauth2, Mockito, SQL, Kubernetes, TestNG, Maven, Gradle, GIT, Oracle 11g/12c, Tomcat, WebLogic.

**Client: Express Script - St. Louis, MO**

**Feb 2019 – Dec 2021**

**Role: Sr. Full Stack Java Developer**

**Responsibilities:**

* Participated in all phases of the Software Development Life Cycle, including designing, developing, testing, and deploying various web applications.
* Worked on defining new validations using Angular JS to validate the form field and implemented them using **HTML**.
* Developed and Customized the User Interface to show reports in various dimensions by creating web applications using **HTML, CSS, and Angular JS.**
* Built Java-based applications using JDK and created the packages for running single-page web applications.
* Worked on developing a User Interface with Angular JS using sorting, filtering, pagination, and rendering operations in the web pages.
* Worked on implementing Model View Controller architecture using **Spring MVC framework** to isolate each application layer for less complexity in integration and easy maintenance.
* Designed and developed using the Java collection API with Java 8 features and for Authentication and authorization extensive Spring Security.
* Implemented the **Spring Boot** services and **Angular** to form a Microservice-oriented application and split the application into sub-modules.
* Experience in working with databases like**Oracle, MySQL**for creating tables, Stored Procedures and Functions.
* Generating the supply and demand report for the business usage
* Built and deployed pipelines for leveraging the **Continuous Integration** and **Development** Processes using tools like **GIT, Maven, and Jenkins.**
* Worked with **Java Messaging Service (JMS)** for reliable information exchange across Java applications.
* Worked on creating dynamic web pages using **HTML5, JavaScript, and JQuery.**
* Worked on implementing the modules into **Node.js** for integrating the applications with designed, analyzed, and changed the Node.js server structure for application configurations to **REST** service using Java JAX-WS.
* Interfaced with the **MySQL** back-end database by integrating **Spring** with **Hibernate**.
* Used Hibernate with Spring Integration as the data abstraction to interact with the database of MongoDB.
* Created a **Single Page Application** using the Angular framework to bind data to specific views and synchronize data with the server.
* Worked with container systems like **Docker** and used **EC2** container service and Kubernetes for container orchestration.
* Used **Java 1.8** features like **parallel streams** and **filters** through **lambda expressions** to handle the searching.
* Develop applications using microservices architecture using spring boot-based interaction through Apache Kafka and JMS messaging brokers.
* Worked with **Amazon web services** like storing and retrieving files using **AWS S3**, accessing and maintaining the files using AWS IAM, and managing by creating the **IAM** policies.
* Developed interfaces using AWS Lambda for managing the servers, loaded the data in the S3 buckets, and ran the code in AWS event sources using Amazon API Gateway.
* Integrated services using REST APIs with Ajax and built cross-browser applications using Selenium Grid.
* Implemented backend **Mongo DB** database using HTTP service to fetch **JSON** contract, and unstructured data was handled using Mongo DB and Mongoose Connector for connecting to the database.
* Worked on debugging the system and Test-Driven Development using JUnit to support the applications.

**Environment:** Java1.8, Angular JS,Mysql,Java, JDK, Spring MVC, HTML, CSS, Java collection API, GIT, Maven, Jenkins, JavaScript, jQuery, Spring Boot, REST, Mongo DB, Hibernate, Spring Integration, Dockers, EC2, Kubernetes, Apache Kafka, AWS S3, AWS Lambda, JUnit.

**Client: Optum - Eden Prairie, MN**

**Mar 2016 – Nov 2018**

**Role: Sr. Java Developer**

**Responsibilities:**

* Involved in all System Development Life Cycle (SDLC) phases**,** including Requirement gathering, Analysis, Design, Implementation, Deployment, and Support.
* Followed Agile methodology and participated in daily **SCRUM** meetings.
* Developed and enhanced the application using **Java** and **J2EE (Servlets, JSP, JDBC, JNDI, EJB), Web Services (SOAP and RESTful), HTML, JavaScript, Angular JS, React JS, AJAX, JSON, CSS, XML, XSD, Maven, Log4J and Oracle 11g.**
* Involved in working with J2EE Design Patterns **(Singleton, Session, Façade, and DAO).**
* Involved in creating **Use Cases, Class Diagrams,** and Sequence Diagrams using UML.
* Worked on **Hibernate ORM**. Created **Hibernate XML files** and Java class files to map the object relation mappings.
* Designed and developed web-based software using **Spring MVC Framework** and **Spring Batch.**
* Involved in creating and extracting data from database using **SQL queries, PL/SQL Stored procedures, triggers,** and packages on Oracle cloud database and performed CRUD operations using JPA query language.
* Developed and maintained the Application Context files for the service layer using Spring Framework.
* Used SOAP Web Services for secure extraction of client-related data from database using Apache CXF.
* Performed Aggregation and parallel processing and developed Camel Orchestration layers to integrate different application components using **Apache Camel.**
* Used **RESTful** in conjunction with Ajax calls using JAX-RS and Jersey.
* Multi-Threading and Caching were used to improve the performance and user experience.
* Made single page module using **Angular JS Framework**. Implemented the business logic using **JSP, JSTL, Java Beans, and service classes.**
* Involved in configuring **JMS** and **JNDI** in web logic application server.
* Involved in Performance tuning of the application and documentation of troubleshooting.
* Used ANT to build, run, and create JARs and WAR files. Used CVS for version control.
* Involved in WebLogic administration, like setting up Data Sources and deploying applications.
* Configured and Deployed the **Web Application Achieve (WAR)** in WebLogic Application Server.
* The application was logged using **Log4J**, and exceptions were logged into the database using JDBC.
* Used Junit for testing the entire application, rectified performance bottlenecks, and eliminated critical bugs.
* Created numerous test cases using the JUnit framework and JUnit for testing modules.
* Used Hudson as a continuous integration tool.

**Environment:** Java 1.7, J2EE, Spring, HTML, Hibernate, Struts, SQL, PL/SQL, JSP, Angular.JS, JSTL, JSON, AJAX, JQuery, Oracle 11g, Eclipse, ANT, SVN, XML, JAXB, Log4J, JUnit, WebLogic, SOAP, RESTful Web Services, WSDL 2.0, JAX-RS, JAX-WS, Apache CXF, Apache Camel, CVS, Hudson.

**Client: Intuit - Mountain View, CA**

**Sep 2014 – Mar 2016**

**Role: Java Developer**

**Roles & Responsibilities:**

* Working on application architecture and re-design of different parts of the application.
* Working with Requirement leads and Project managers to translate business requirements into technical specifications.
* Developed database persistence layer components for mapping an object-oriented domain model to the relational database using **ORM** frameworks such as **Spring JDBC Support, Hibernate, and JPA.**
* Worked in Agile mode and interacted closely with the product owner and business team.
* Set up a new clear case project and **ANT** scripts and owned the deployment process.
* Built **Single page application (SOA)** using Angular JS per the requirement.
* Optimize application development and maintenance costs using economies of scale under an SLA-governed process.
* Worked with Apache Lucene and SOLR for searching the person and business details.
* Design and development of the BPM for various synchronous and asynchronous processes and to implement the workflow of the applications.
* Using spring-boot is radically faster in building Micro Services and developing Spring-based applications with very little configuration.
* Written Stored Procedures, functions, SQL queries, and backend programming using **Oracle, SQL.**
* Developed presentation-tier web components using the JSF framework and deployed the application in the web server.
* Expertise in application development using **JSP, Servlets, JDBC, JNDI, Spring, Hibernate, Ibatis, Mybatis, JSF, EJB, XML, Web Services- SOAP, WSDL.**
* Implemented MVC architecture using JSF framework using JSPs as GUI development and DB Modelling using NOSQL and Oracle 10g.
* Deployed and monitored scalable infrastructure on **Amazon web services (AWS)** and configuration management using Puppet.
* Performed client-side validations using **JavaScript** and **Struts** validation framework.
* Performing Impact Analysis, Design, and Estimations for application enhancements.
* Impact Analysis, Design, and Estimations for the enhancements to the applications.
* Interacted with the business users to gather requirements and provided a high-level design with Sequential and State-chart diagrams.
* Manage configuration of Web App and Deploy to AWS cloud server through Chef.
* Built workflow-based applications using the JBPM workflow engine and designed workflow in the JBPM editor, using provided APIs in the JBPM engine to run business functions.
* Developed business processes/workflow and rules using **JBoss BPM/Rules**
* Implemented various **J2EE design patterns** like **DAO pattern, Business Delegate, and Value Object.**
* Developed Business components and Services using **EJB3.0, JPA,** and **JAX-WS** and deployed them in a business-tier application server.
* Developed various Land registry office user interfaces, Model Beans, and DAO using JSF Framework.
* Have written Unit Test Cases and Integration Test Cases using the Junit framework.

**Environment:** Core Java, J2EE JSP, Servlets, JDBC, Collections, Generics, JUnit, Solr, Lucene, Struts, Spring, AWS, JBPM, Hibernate, Microservices, Eclipse, WebLogic Application Server 5.0, UML, SQL, NOSQL, Oracle 10g, Agile, Maven, SVN, ClearQuest.

**Client: Three Media Infotech Ltd - India**

**June 2012 – Aug 2014**

**Role: Software Developer**

**Responsibilities:**

* Developed user interfaces using **HTML, CSS, AJAX,** and **JSF UI** components.
* Developed **Struts** validation framework and **JavaScript** for validation.
* Implemented and maintained AJAX-based rich clients for improved customer experience.
* Followed **Model, View, and Controller Architecture (MVC)** for the project development.
* Used **Spring** **MVC** Framework to develop Action classes and Controllers, validation framework, and annotations.
* Involved in developing the presentation layer using the **Spring framework** and **MVC** design paradigm.
* Worked in implementation of **MVC** design paradigm of **Spring framework**, **Object-Relational Mapping (ORM)** using **Hibernate** and Oracle database at the back end.
* Configured **Spring ORM** that provides simplified templates for accessing databases through ORM technologies, such as **Hibernate,** to access the database.
* Developed **SOAP** and **Restful Web Services** functions to get data from the Mainframe Systems.
* Used **SoapUI** for web services testing.
* Developed **SQL queries** and views for Oracle/MS SQL Server database activities**.**
* Used **JBoss** Server for deploying the application.
* Involved in Object Analysis, design, and documentation of the application model using **Unified Modelling Language (UML).**
* Developed Exception Handling framework and used **Log4j** for logging.
* Involved in handling unit testing using **JUnit**.
* Advancement completed under **Eclipse Integrated Development Environment (IDE).**
* Automated the build and deployment process using **ANT** build script.
* Worked with defect tracking system **Bugzilla**.
* Used **SVN** as a version control system and for code management.

**Environment:** Java SDK, Struts, Spring, Hibernate, Entity Bean, Session Bean, JSP, Servlets, JSTL1.0, CVS, JavaScript, and Oracle9i, SQL, SQL Server, PL/SQL, Triggers, Stored Procedures, UML, Log4j, JBossv3.0, Eclipse 2.1, Ant, SVN, Bugzilla, Junit

**Education Qualification:**

**Degree:** Bachelor Of Science in Computer Science, Vellore Institute of Technology

**School:** Vellore Institute of Technology, Vellore – India

**Year:** Jan 2009, May 2012