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### **Professional Summary**

- **5 years of extensive IT experience** in developing, design, analysis, testing various web-based, SOA-based, and client/server applications in multi-platform environments with **JAVA/J2EE** technologies.
- Experience in various **Agile** methodologies like Test Driven Development (**TDD**), **SOA**, **SCRUM**, and **Waterfall**.
- Highly proficient in using **OOPS** for building n-tier architecture systems with hands-on development expertise in the front-end UI layer, core business frameworks, and Back-end database layer integration.
- Experience in Front-End UI development skills using scripting languages like **HTML5, DHTML, CSS3, JavaScript, jQuery, JSON, AJAX, Angular JS, Node.js, Bootstrap, Tag Libraries, JSTL**.
- Expert in Core Java with a strong understanding of Garbage Collector, Collections, Event handling, exception handling, and Generics.
- Expertise in implementation of J2EE Technologies: **JSP, JTS, Servlets, JSTL, EJB transaction implementation, JMS, Struts, Hibernate, Java Beans, JDBC, XML, Web Services, JNDI, Serialization, and Externalization**.
- Experience in developing web applications on **MVC-based frameworks like Spring, Spring Security, Spring Boot, Spring Cloud, and Spring MVC**.
- Extensive experience in developing scalable, reliable, and efficient enterprise applications using **Java, Spring, Struts, Web Services, RESTful, JSF, JDBC, JSP, Servlets, EJB, JMS, XML, JAXB, PL/SQL, Unix scripting**.
- Expertise in **Microservices** developing SOA (Service Oriented Architecture) and J2EE Web Services based on **SOAP, WSDL, UDDI, JAX-WS, JAXB, JAX-RPC using tools like Apache Axis**.
- Experienced in Middleware persistence frameworks like **Hibernate/JPA** Entities for mapping Java classes using **Hibernate Query Language (HQL), HSQL Named Queries, Criteria, Projections**.
- Used **Hibernate Transaction Management and Hibernate Batch Transactions**.
- Strong understanding of Microservices patterns - **Circuit Breaker/Hystrix, DDD, Aggregator, Proxy**.
- Implemented Java 8 features such as **Lambda Expressions, Streams, and Method references**.
- Worked with **high volume and complex PL/SQL** stored procedures and packages using Oracle SQL.
- Proficient in implementation of **ORM and Non-ORM frameworks like Hibernate, JPA, JDBC, iBatis**.
- Experience in database modeling, design, and development of PL/SQL stored procedures, packages in relational databases: **Oracle 9i / 10g / 11g, SQL Server, DB2, PostgreSQL, and MySQL**.

- Strong experience with **MongoDB** development (reports, schema design, map-reduce functions) and migrations from SQL relational databases to NoSQL databases like **MongoDB, and Cassandra DB**.
- Experience in writing **Queries, Stored Procedures, Triggers, Cursors**, and Packages using **TOAD**.
- Hands-on experience with build tools like **ANT, Maven, Gradle**, and logging tools like **Log4J, SL4J**.
- Experienced in **Apache Spark** for implementing advanced procedures like text analytics and processing using the in-memory computing capabilities written in **Scala**.
- Expertise in design with **Use Case, Sequence, Activity, and Class diagrams using UML, Spark, and Visio**.
- Experience working on several Docker components like **Docker Engine, Hub, Machine, creating Docker images, Compose, Docker Registry**, and handling multiple images primarily for middleware installations.
- Proficient in using Amazon Web Services AWS. Extensive experience focusing on services like **EC2, VPC, Cloud Watch, CloudFront, Cloud Formation, IAM, S3, Amazon RDS, Elastic cache, SNS, SQS**.
- Engineering and integration of message & event-driven microservices using various patterns and technologies (**Rabbit MQ, Kafka, IBM MQ, Spring Integration, Spring Cloud Stream - Kafka, Spring AMQP**)
- Experience in creating Asynchronous Messaging configuration in **Tomcat, WebLogic, and web sphere Servers**.
- Experience in developing Web/enterprise-based Applications by using various IDEs like **STS, Eclipse, IntelliJ**.

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### Technical Skills

<b>Languages</b>	Java 1.8/1.7/1.6C, Perl, PL/SQL, SQL, UML.
<b>Framework</b>	Spring MVC, Spring Security, Spring JPA, Spring Boot, Spring Framework, Hibernate, Struts, React Js, Camel, Angular6, Junit.
<b>J2EE Common Services APIs</b>	AWS, Micro Services, Rest API, SOAP API, Servlets, Hibernate 3.x, POJO, JSP, JSON, Java Mail, JNDI, JMS, JPA, JAXB, AJAX, Multi-Threading.
<b>Front end Technologies</b>	Bootstrap, Angular JS / 2, Node.JS, React.Js, Java Script, CSS, HTML 5
<b>Web Tools/ IDE</b>	Web Storm, STS, Eclipse, My Eclipse Blue, NetBeans, IntelliJ.
<b>Version Control System</b>	SVN, CVS, GIT Repository.
<b>Middle Ware</b>	Spring Boot, Spring Cloud, JMS, Batch, and Integration Messaging Service
<b>Application Servers</b>	JBOSS 6/5, IBM Web Sphere 7/6, BEA Web Logic 10/9.

<b>Protocols</b>	HTTP, HTTPS, TCP/IP, FTP, SMTP.
<b>Methodologies</b>	Agile, Waterfall, and TDD.
<b>Database</b>	Oracle 11g, MySQL, DB2, PostgreSQL, MongoDB, Cassandra.
<b>Build Tools</b>	ANT, Maven, Gradle.
<b>Web Servers</b>	Apache Tomcat 1.8.
<b>Operating Systems</b>	Windows, UNIX, LINUX, MAC.
<b>Cloud Services</b>	AWS - S3, EC2.

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### **Professional Experiences**

**Client: Boeing, Aurora, Colorado**  
**Role: Full Stack Developer**

**March 2020 - Current**

**Description:** Spares Technical Engineering Processing System (STEPS): STEPS is a web application used by spare part engineers and technicians to maintain information of spare parts and interchangeability which can in-turn be used to create Recommended Spare Parts List (RSPL) to be provided to Boeing customers along with the aircraft delivery. I play an important role in verifying, analyzing, and monitoring the back end. Making sure the communication between the client and the vendors is error-free, prompt, and simplified for the front-end team as well.

#### **Responsibilities:**

- Analysis, documenting the requirements, and architecting the application based on **J2EE** standards.
- Designed dynamic and browser compatible pages using **HTML5, DHTML, CSS3, Bootstrap and JavaScript**.
- Used **JavaScript** libraries to create **slider** and **page-turning** animations on calendar widgets.
- Involved in developing web pages using **Angular JS** Framework.
- Used **Angular JS** as a framework to create single-page applications (SPA) which can bind data to specific views and synchronize data with server using **Sass, Less, Bootstrap, Angular JS**.
- Responsible for **Web UI** development in JavaScript using **jQuery, AngularJS, and AJAX**.
- Responsible for secure batch data flow to downstream systems using **Middleware Java technologies**.
- Developed Mean Stack from scratch including **Mongo DB** server (**Mongoose Connector**) setup and **Express JS** server development.
- Developed drag and drop document editing using **React JS**.

- Developed the **jQuery** callback functions to implement asynchronous communication using **AJAX**.
- Used the **Java Collections API** extensively in the application as a security protection for **XML, SOAP, REST, and JSON** to make a secure Web Deployment.
- Built backend **REST API** with **Node JS, Express JS**, and Implemented modules into **Node JS** to integrate with designs and requirements.
- GUI design and development using Java **Swing, JFC** Used for open-source web testing.
- Implemented different Design patterns like **DAO, Singleton Pattern**, and MVC architectural design pattern of **Spring framework**.
- Developed APIs using **AJAX** and **JSON** to implement more robust and efficient client-facing applications.
- Worked on the **REST Web Services** and used Spring Framework and developed the Spring Features like **Spring Core, Spring IOC, Spring AOP, Spring Data Access, Spring web test, Spring MVC, Spring DAO, Spring Boot, Spring Batch, Spring Security, Spring Integration**.
- Building **RESTful** services using **Microservices** architecture with tools such as Spring-boot.
- Developing Intranet Web Application using J2EE architecture, using **JSP** to design the user interfaces and **Hibernate** for database connectivity.
- Development of **Hibernate** objects for data fetching for batch and front-end processing.
- Designed and developed new features in the existing application to meet the customer's satisfaction.
- Used **Hibernate**, object relational-mapping (**ORM**) solution, the technique of mapping data representation from MVC model to Oracle Relational data model with **SQL**-based scheme.
- Designed and developed the user interface screens, database design changes, and changes to user access modules.
- Involved in writing **Oracle PL/SQL Stored procedures, triggers, and views**.
- Leveraged **AWS cloud services** such as **EC2**; auto-scaling; and **VPC (Virtual Private Cloud)** to build secure, highly scalable, and flexible systems.
- **AWS** is used to coordinate and manage the delivery of messages to the subscribers. Client-side validations and server-side validations are done according to the business needs.
- Extensively used core java concepts like **collection framework, multi-threading, OOPS, and Exception Handling**.
- Managed the dependency packages by **NPM/Bower**.
- Wrote **JUnit** test cases for web servers.
- Written test cases and done Unit testing execution with **JASMINE** and **KARMA**.
- Involved in **CICD** process using **GIT, Nexus, Jenkins's job creation, Maven build, Create Docker image** and **deployment in AWS** environment.
- Involved with Sprint Planning, Sprint grooming, Allocation of User Stories using **Jira**.
- Used **Log4J API** for logging and debugging.

**Environment:** Spring Core, Spring IOC, Spring MVC, JavaScript, jQuery, JSON, Spring DAO, Spring Boot, Spring Batch, Spring Security, Spring Integration, Linux, Spring-Hibernate integration framework, JSP, Oracle, PL/SQL, XML, AWS (EC2, VPC), Spring web flow, Maven, JUnit, REST web service, HTML, CSS, SASS, AJAX, Jira, Angular JS, NPM/BOWER.

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**Client:** Change Healthcare Nashville, TN

**Feb 2019 – Jan 2020**

**Role:** Java Developer

**Description:** Change Healthcare is a catalyst for your value-based healthcare system. We are a healthcare technology company that offers software, analytics, network solutions, and technology-enabled services to help create a stronger, more collaborative healthcare system. I am one of the back-end developers who maintain communication, establish customer client data relationships and many more.

**Responsibilities:**

- Worked with all phases of SDLC as a scrum member following agile methodology and **Test-Driven Development (TDD)**.
- Created the front-end web pages using **HTML5, CSS 3 (using SASS), Twitter Bootstrap CSS framework, media queries, and JavaScript** to develop the UI for our login and customer enrolment portals.
- Worked with **Angular 4** using **Angular CLI** generated various **components, routes, and services** and structured the application code using Component-based architecture.
- Worked on **Angular 4 forms and controls** to validate Input data.
- Have worked with **reactive forms, template-driven forms**, and written pipes in Angular 4.0 to transform the data according to the customer's requirement.
- Created custom directives in **Angular 4** for reusable components (multi-field form elements, background file uploads)
- Proficient in creating services with **Angular 4 injectable property** to make the service available for dependency injection when creating components.
- Proficient in using Angular 4 to create views to hook up models to the DOM and synchronize data with the server as a **Single Page Applications**.
- Implemented microservices-based architecture using **Spring Boot** interacting through REST API.
- Worked with ORM frameworks such as **Spring Data**.
- Authenticated Users accessing RESTful services using **Oauth 2.0 and OIDC**.
- Worked with **Spring Cloud and Netflix OSS-Eureka** for service registration and discovery.
- Used **spring boot actuator** to externalize application's configuration properties for different environments.
- Deployed **Spring Boot-based microservices** on **Docker** containers using **Amazon ECS** and used **Docker Hub** for registering the Docker images.
- Worked with **AWS IAM** service to create various groups and attached appropriate policy documents to the users within that group.

- Designed, built, and deployed a multitude of applications utilizing almost all the **AWS stack (Including EC2, MongoDB, Docker)** focusing on **high availability, fault tolerance, and auto-scaling**.
- Proficient in deploying and configuring **Elastic search, Log Stash, Kibana (ELK), and AWS Kinesis** for log analytics
- Good Knowledge in the documentation of REST API's using **Swagger and WADL**
- Used the fundamentals of **Java 8** like **parallel streams and filters** through lambda expressions to handle the searching.
- Developed the application using industry-standard design patterns like **Singleton, Business Delegate, MVC, and Factory Pattern, etc.** for re-usability.
- Developing internal Web Application in Groovy/Grails with **Mongo DB** as a data store.
- Using the **IntelliJ Idea 15.0.4** IDE with the latest Grails 3.1.1 SDK, Java 8.
- Worked with **NoSQL-based ORM frameworks** like **Mongoose Connector** and MongoDB.
- Wrote complex SQL queries using **joins, Stored Procedures, Functions, Triggers, cursors, and indexes** in MySQL database.
- Used **Apache Kafka (Message Queues)** for the reliable and asynchronous exchange of vital information between multiple business applications.
- Developed Kafka consumers to consume data from **Kafka topics** and Integrated Kafka source to read the payment confirmation messages
- Very Proficient Knowledge of **JIRA** to track issues and communicate with other teams in various environments.
- Used **GIT** for source code management and worked with Visual Studio and Spring Tool Suite IDE.
- Professional experience in **Log4J** for extensible logging, debugging, and error tracking.

**Environment:** HTML5, CSS3, SASS 3.5, jQuery 3.0, ECMAScript 6 (ES6), Typescript, AJAX 4.1, JSON 3, Bootstrap, DOM, NPM 5.5, Angular 4, Spring MVC, Spring Boot v1.2, Micro Services, Apache Kafka v0.10, Spring Batch v3.0, Netflix OSS-Eureka v1.5, Spring cloud, Jenkins v2.0, PL/SQL, MySQL, DB2, MongoDB v3.2, AWS, JUnit, TestNG, Selenium, SLF4J, Visual Studio, STS, Jasmine, JIRA, GIT, POSTMAN/REST Client, Jenkins, Windows, Agile, Scrum.

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**Client:** Taco Bell, Irvine, CA  
**Role:** Web/UI Programmer

**Dec 2017 – Jan 2019**

**Responsibilities:**

- Worked as a Developer in Java, involved in designing/developing the application on the J2EE platform, and implemented the **Model View Control (MVC) structure with Struts**.
- Expertise in using the **AJAX** framework for achieving seamless user experience and server-side communication.

- Participated in writing test framework with Selenium and executed Web testing on browsers like **IE, Chrome, and Mozilla through Web driver**.
- Worked on enhancing the Portal UI internals using **JavaScript, HTML, CSS, XML, JSP** as per need and provided client-side JavaScript validations.
- Involved in using **Spring Core Annotations** for **Dependency Injection** in the application.
- Worked on using **Hibernate ORM** as Persistence to map ORM objects to relations using Hibernate annotations.
- Worked on client-side Java scripting technologies such as **jQuery** while designing TABS and DIALOG BOX.
- Hands-on experience in using **Log4j** to log outputs to files.
- Worked on implementation of **Axis Web Services** for integration of different systems.
- Developed Web services components with **XSD, XML, DTD, and SOAP with DOM** parser to transfer and transform the data between applications.
- Accountable to expose capabilities of Web Services by using **SOAP/WSDL**.
- Expertise in Using **SOAP UI** to test the Web services by sending SOAP requests to Service Application.

**Environment:** Java 1.6, Spring Framework 3.0, Servlets, JSP, XPath API, Spring IOC, Spring JDBC, Oracle 9i, Web Services, Web Sphere, XML, UNIX, Selenium, AJAX, WSDL, SOAP, CSS, ANT.

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**Client:** Principal Financial Group, Des Moines, IA  
**Role:** Java Developer

**Oct 2016 – Nov 2017**

**Description:** Retirement & Investment services provide a wide range of savings, investments, and retirement services like 401k, annuities, rollover an account, etc. I am involved in developing Restful web services for the rules involved for the client Department of Labor.

**Responsibilities:**

- Developed the User interface using Front-end technologies such as **HTML, CSS, JavaScript, jQuery**
- **and Bootstrap.**
- Developed applications using various design patterns in the project such as **Business Delegate,**
- **Data Transfer Object, Data Access Object, Service Locator, and Singleton.**
- Worked extensively with **Ajax and jQuery** to dynamically load the content into web pages without reloading the pages
- Performed client-side validations using **JavaScript and jQuery.**
- Worked extensively with **Apache Tomcat** web server for the deployment of the application.
- Built & deployed scripts using the **ANT** build tool and used **Log4J** for debugging of the code.

- Developed and implemented **JSP** custom tags for handling cross-site scripting errors.
- Developed middleware service components and **DAO** components using **Spring Framework and JPA (Hibernate)**.
- Performed **XSLT** transformations to match service requests from the client to the Web service provider.
- Developed **SQL scripts and PL/SQL** stored procedures for querying, populating, and retrieving data from SQL Server.
- Worked with **Spring Interceptors** to validate web service requests and send notifications to the subscribers.
- Used **SOAP UI tool** to generate request XMLs from WSDL to test the responses.
- Implemented **Hibernate ORM** and performed mapping of object classes to the corresponding database tables.

**Environment:** Java SE 8, SoapUI, SQL Server, Junit, Agile, JDK 1.7, J2EE 1.5, Spring 2.0, Hibernate, REST Web Service, Eclipse Juno, SOAP UI.

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**Client:** Leapfrog Technology Inc, Kathmandu, Nepal  
**Role:** Java Developer

**Sept 2015- July 2016**

**Description:** Innovative multinational global IT firm, specializing in mobile and web application development with branches in US, UK, Israel and Nepal. Worked in backend of social network and messaging project, iloop, an inhouse project (web-to-web, web-to-mobile, and mobile-to-mobile chat system). Created a module to pull chat instances from Hbase and store and pull messages from Hbase. Wrote thrift service for iloop project using Scala programming language. Conducted unit testing of all methods using JUnit framework.

**Responsibilities:**

- Implemented Apache Thrift to enable scalable cross-language communications for iloop Project (**C++, Java, C#, .NET**).
- Efficiently used **Git Version** Control for source code management.
- Successfully developed and integrated Message Instance Module with Iloop Messaging system.
- Error free modules are designed and developed by providing unit tests of every method using **JUnit**.
- Exceptions are managed systematically by employing custom exceptions, exception code and message.
- Performed testing and debugging for delivering high quality products.

**Environment:** *Java, Scala, Apache Thrift, AngularJS, HTML5, Bootstrap JavaScript, CSS, SQL Server 2008, RazorSQL, IntelliJ IDE, Hbase Shell, SSH, Maven build tool, Git, VCS, and RedMine.*

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