***SENIOR JAVA FULL-STACK DEVELOPER***

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# PROFESSIONAL SUMMARY:

* Skilled IT Professional with 10+ years of experience in design, development, and maintenance of distributed web- based applications and client/server applications using **Object Oriented Programming, Java/J2EE,** and Web Technologies.
* Expertise in several J2EE technologies like **JSP, Servlets, JavaScript, Web Services,** and **JSF**.
* Expertise in **Hibernate, Spring, EJB, Ajax, Java Beans, JNDI, JMS, Java Mail, XML, and** Sockets using IDEs like **Eclipse.**
* Expertise in designing and developing enterprise applications using J2EE technologies like **Struts, Spring boot, JDBC, Web services,** and **Apache Kafka.**
* Involved in designing a fully distributed system with the use of **Restful API** and **Microservices.**
* Experience in **Restful web services** development using **Express, Node.js, and Mongo DB**.
* Experience working with **Node.js** to set up **web APIs** using **JavaScript**.
* Strong working knowledge of Database Programming using and maintaining **SQL**, **PL/SQL, Triggers** and Stored Procedures, **DB2,** and **NoSQL** databases **MongoDB** and **Cassandra**.
* Migration from REST to GraphQL, reducing data over-fetching and under-fetching issues, improving load times by 30%.
* Expert in Spring Cloud Stream with JMS such as **ActiveMQ, RabbitMQ,** and **Kafka** to support asynchronous messaging among **Microservices.**
* Expertise in writing unit test cases with **Mockito** and **JUnit** and performing integration testing.
* Experience in integration testing tools like **Cucumber** (Behavior Driven Development testing).
* Experience in CI/CD pipelines to integrate the Java code to align with **DevOps** using **Docker**.
* Experience in configuring and managing **Amazon AWS Cloud Services, EC2, S3, EBS, ELB, Lambda, Cloud Watch,** and

# AWS Code Deploy.

* Designed, Developed, and Implemented the **J2EE Microservices** on **Azure** using **Kubernetes, Docker CE,** and

# Jenkins CI pipeline.

# Developed and maintained Azure SQL databases, optimizing performance and scalability for high-traffic applications.

* Expertise in Microsoft Azure Cloud-like data storage(**Azure Data Lake, Azure Blob Storage, Azure Cosmos DB**).
* Hands-on experience using version control tools like **GitLab, Bitbucket,** and **GIT** and project management tools

**JIRA** and **Rally**.

* **Agile** stand-up meetings throughout the projects with team members on a day-to-day basis for the update on project status using **JIRA**
* Good working knowledge of **Ant**, **Jenkins**, **Maven**, and **AWS** for project build/test/deployment, logging, and **JUnit** for unit and integration testing.
* Hands-on exposure to multiple Application Servers like **BEA Web Logic Application Server, Apache Tomcat, WebSp here,** and **JBoss**.
* Good understanding of **Kubernetes** architecture and concepts like **services, pods,** and **replica sets**.

# Technical Skills:

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| --- | --- |
| **Programming Languages** | - Java and Python |
| **Web Technologies** | * HTML5, CSS3, JavaScript, TypeScript, jQuery, XML, AJAX, SEO, * JSON. |
| **JavaScript Technologies** | - Angular, React, Redux, jQuery, EXT.js, Node.js, Express.js Backbone.js, Require.js. |
| **Database** | - Oracle, MySQL, Cassandra, PostgreSQL, MongoDB, Redis. |
| **Framework Tools** | - Spring Boot, Spring MVC, Hibernate, Spring Security, Spring IOC, Struts. |
| **Testing frameworks** | - Selenium, JUnit, Mockito, Jasmine, Karma. |
| **DevOps Tools** | - Docker, Kubernetes |
| **Web Services** | - RESTful, SOAP, GRPC, WSDL, UDDI. |
| **Web Servers** | - Tomcat, WebLogic, JBoss, WebSphere, Nginx. |
| **Cloud Environments** | - AWS, Azure, Azure, and GCP. |

**Repositories -** GitHub, Bitbucket, GitLab.

**Operating Systems -** Windows, Linux

**Build Tools -** Jenkins, Maven, Gradle, Log4j, Bamboo.

**EDUCATION**

* + Bachelor in Computer science engineering from Jawaharlal Nehru Technological University, India.

# PROFESSIONAL EXPERIENCE

**Client: State of Illinois, Springfield. Apr2022 – Present**

# Role: Senior Full Stack Java Developer Responsibilitie

* + Involved in the implementation of application using conventional design practices **MVC-Model View Controller.**
  + Expertise in configuration, administration, and performance tuning of **PostgreSQL database** in the Cloud (**Azure**) as well as on-premises.
  + Developed a **Single page application** and structured the JavaScript code using the **React.JS** framework including

**MVC architectures**, different modules, specific controllers, templates, custom directives, and custom filters.

* + Developed the **Microservices** using Spring Boot that creates, updates, deletes, and gets the assignment information from the backend.
  + Utilized **GraphQL's** introspection feature to generate documentation automatically, improving **API** usability for developer teams.
  + Used **Spring Boot** which is radically faster in building cloud **Microservices** and developing **spring**-**based**

applications with very little configuration and access logging for **Spring Boot** Application.

* + Used **Java 11** features such as **Lambda expressions**, **Functional Interfaces**, and **Streams** to avoid boilerplate code.
  + Handled response data from **RESTFUL** web services using XML, JSON, and jQuery to update UI Interacted with Java controllers.
  + Developed **REST Web services** to make web service calls simple and easy for the client to access with the help of standard HTTP URIs. Developed **microservices** using **Spring Boot** exposed as REST API and integrated with React- based web applications.
  + Implemented web services in **RESTFUL** web services using Spring Rest Template
  + Developed solutions for leveraging the breadth of marketplace services, including **spring cloud** services (Eureka, Config, Hystrix)
  + Used **Spring Core** annotations for Spring Dependency Injection, Spring MVC for Rest API, and Spring Boot for **microservices.**
  + Worked on **Swagger API** and auto-generated documentation for all **REST** calls.
  + Secured API by implementing **OAuth 2.0** token-based authentication/authorization using **Spring Security.**
  + Implemented persistence layer using **Spring JDBC** template to store the data in **PL/SQL** database.
  + Involved in writing complex **SQL** queries using correlated subqueries, joins, and recursive queries, **PL/SQL** stored procedures.
  + Worked on a project which handles searching algorithms using **Elastic Search** which is mainly used for pulling analytics-related information using the keywords entered by the end user.
  + Worked on Integrating Apache Kafka and created Kafka pipelines which are used for real-time processing.
  + Set up the **CI/CD** pipeline process for the application using **Jenkins**.
  + Managed data lakehouse architecture in **Databricks**, enabling advanced analytics and business intelligence capabilities.
  + Utilized **Azure DevOps** for **CI/CD** pipelines, reducing deployment time by 40% and increasing release frequency.
  + Implementing advanced threat protection and data governance across cloud environments by using **Azure security** and **compliance.**
  + Leveraged **Azure** Analytics services for big data processing and insights, driving data-driven decision-making in the organization.
  + **Jira** is used for Project Management and **GitLab** is used for issue and bug-tracking.
  + Used **Junit** for unit test cases to monitor the application functionality and Monitored the Error logs using **Log4j**

and fixed the problems.

* + Tested every functionality by Test Driven Development using **Junit** and **Mockito**.
  + Designed the **cucumber** test cases and step definitions to perform integration testing and UAT testing.

**Environment**: React.js, JavaScript, jQuery, Java 11, Spring Boot, Hibernate, Spring batch, Spark, RDDs, JPA, PL/SQL, Swagger UI, GraphQL, Log4j, JIRA, Apache Kafka, SEO, Kubernetes, Microservices, RESTful, Mockito, JUnit, Cucumber, Jasmine, GitLab, Maven, Jenkins, Docker, and Azure.

# Client: Comcast, Philadelphia, PA. Nov 2020 – Mar 2022

**Role: Senior Java Full Stack Developer Responsibilities:**

* + Created Reusable components, Custom Modules, Custom Directives, Pipes, and Services in **Angular**.
  + Worked on **RESTful** Web Services as well as Node Rest Framework for the backend and used **Mongo DB.**
  + Understand and adopt **Microservices architecture** to gradually replace a core monolithic application with

# Microservices.

* + Used REST controller in spring framework to create **RESTful** web services & and **JSON** objects for communication.
  + Developed **RESTful** web services to retrieve data from the client side using a microservices architecture.
  + Designed and developed server-side applications and **APIs** using **Node.js**, leveraging its asynchronous**, event- driven architecture** to handle high volumes of concurrent requests.
  + Create a **Node.js** Express server to establish an **MVC** framework that connects the front-end **Angular.JS**

application with the back-end **MongoDB** database, enabling both broadcast and chat services.

* + Utilized **Node.js** frameworks such as **Express.js** to streamline the development process and enhance code maintainability.
  + Developed server-side application to interact with the database using **Spring Boot** and **Hibernate**.
  + Developed **RESTful** Services with Java using JAX-RS, Jersey, and Spring Boot. Coding for consuming the **REST APIs**, getting **JSON** responses, and parsing them to get the required formats.
  + Pioneered the use of **Databricks** for real-time analytics, enabling instant data-driven decision-making and operational efficiency.
  + Expertise in spring-based microservices and enabled discovery using the **Eureka server**.
  + Performed **CRUD** operations like updating, inserting, and deleting the data in the **NoSQL** database **MongoDB.**
  + Worked with **NoSQL** database **MongoDB** and developed custom **MongoDB** applications specific to clients' needs.
  + Implemented Security in Web Applications using **Azure** and Deployed Web Applications to **Azure.**
  + Used **Azure** for Scaling and checking the reliability of the applications that were developed during the project.
  + Responsible for building scalable distributed data solutions using **Azure Data Lake, Azure Databrick, Azure HDInsight, and Azure Cosmos DB.**
  + Used Jenkins to execute the **Maven** project as well as to build the version system tool.
  + Implemented the function to send and receive messages on **RabbitMQ** synchronously.
  + Developed and performed test cases using **Jasmine** and **Karma** for front-end unit testing and used **Cucumber**, **Protractor**, and **Http**-**server** for the **End 2 End** testing.
  + Developed **JUnit** test cases for the Persistence layer and Business layer to perform unit-level testing.

**Environment**: Java, Spring, Hibernate, Spring batch, Angular 11, JavaScript, Node.js, Spring Boot, jQuery, MongoDB, log4j, GraphQL, Junit, Easy Mock, RabbitMQ, Web Services, SOAP UI, Jenkins, Docker, Kubernetes, and Azure Azure Data Lake, Azure Databrick, Azure HDInsight, and Azure Cosmos DB.

# Client: Truven Health, Denver, CO. May 2019 – Oct 2020

**Role: Senior Full Stack Developer Responsibilities:**

* + Developed front-end content using **HTML5, CSS3,** and client-side validations using **JavaScript** and various JS frameworks.
  + Extensively used **Core Java** collections and Concurrency to improve the performance of the applications and to

schedule tasks using **multi-threading.**

* + Used **Spring Boot** to build cloud **Micro Services** and develop **Spring MVC-based** applications.
  + Analyze business requirements and develop various business delegates to integrate with middleware services like **JAX-WS, and JAX-RS** using **SOAP** and **REST.**
  + Orchestrated the seamless integration of **GraphQL** with existing **NoSQL** databases, enabling efficient data retrieval and manipulation.
  + Implemented advanced error handling in **GraphQL APIs**, ensuring robust and user-friendly error feedback in your applications.
  + Implemented the associated business **modules integration** using **Spring and Hibernate data mapping.**
  + Designed, developed, tested, and implemented business applications with a high level of **J2EE** technical competence using **Spring Boot**.
  + Developed **Hibernate** entities performed Object relation mappings and wrote criteria queries for the data retrievals.
  + Exposed **Spring MVC** controllers as **Rest web services** and configured spring security in the application.
  + Customized **Restful web service** using **spring restful API,** sending **JSON** format data packets between front end and middle tier controller.
  + Utilized **Cassandra,** a NoSQL database management system for keeping user-generated data.
  + Used the Java API to load the data into **Cassandra** Clusters.
  + Developed **microservices-based** applications specifically for deployment on **PCF**, leveraging its containerization and orchestration capabilities.
  + Expertise in migrating legacy applications to **PCF**, ensuring a smooth transition with minimal disruption to business operations.
  + Automated application deployment and scaling processes using **PCF’s** CLI and **REST API** interfaces.
  + Managed code reviews and pull requests in **Bitbucket**, ensuring code quality, consistency, and compliance with coding standards.

**Environment**: Spring, Hibernate, Spring Boot, Maven, RESTful Web Services, Angular 8, HTML5, CSS3, Kotlin, Bootstrap, JavaScript, jQuery, Ajax, Cassandra, SoapUI, Postman, API Life Cycle, JUnit, JMeter, Git, JAX-RS, JIRA, Cucumber, Jenkins, PCF, Bitbucket, and agile.

# Client: Bright Labs, San Jose, CA. Apr 2017 – Apr 2019

**Role: Full Stack Java Developer Responsibilities:**

* + Used **Spring framework MVC** in the development of new modules based on requirements.
  + Developed application using **Spring MVC, JSP, JSTL,** and **AJAX** on the presentation layer, the business layer is built using **Spring** and the persistent layer on **Hibernate**.
  + Involved in **Core Java** coding by using **Java APIs** such as **Collections, Multithreading, Exception Handling, Generics, Enumeration,** and **Java I/O** to fulfill the implementation of business logic.
* Worked on implementing **Spark Framework** a **Java-based Web Framework.**
  + Implementing and maintaining the reusable components in the **Vue JS**.
  + Debugged Java classes used to modify web pages such as **Business Objects** and **Data Access Objects**.
  + Developed **Web Services** using **XML messages** that use **SOAP.** Developed Web Services for Payment Transactions and Payment Release.
  + Worked with **Bootstrap Twitter Framework** and **Angular JS** to design single-page applications.
  + Developed dynamic web pages using **JSP** and used the **Structs Validation framework** to perform validation.
  + For XML marshaling and unmarshalling used **JAXB**. Worked with databases like **Oracle**.
  + Tested many components of web applications and documented my observations.
  + Used WSDL and **SOAP** protocol for Web Services implementation.
  + Performed unit testing by using the **Junit** testing tool and debugged using **Jasmine**.
  + Participated in analyzing the requirements and depicted them through use cases and scenarios.
  + Participated in **unit testing**, **integration testing**, and **installation** of the system.

**Environment:** Core Java, J2EE, Spark, Angular.js, Vue,js, Angular, HTML, CSS, JavaScript, JSP, jQuery, XML, JSON, Servlets, Spring Framework, Hibernate, Oracle, JAXB, SOAP, AWS, JUnit, and Jasmine.

# Client: ThermoFisher, Carlsbad, CA. May 2015 – Mar 2017

**Role: Backend Developer Responsibilities:**

* + Created and consumed **RESTful API** using **Express.js** to provide centralized logic and reusable data retrieval built on top of **Node.js**.
  + Implemented Logic for pulling the data from the **REST API** with **Axios AJAX** and issued **HTTP** requests to interact with **REST** endpoints.
  + Integrated third-party APIs and services into **Node.js** applications, expanding functionality and enhancing user experiences.
  + Used React-Routers for connecting the **APIs**, which enforces the communication to the server while also implementing mock services in **Node.js** with the help of modules using **Express.js.**
  + Developed a dashboard based on **Ajax** calls with Business Customers Count, Flags, and Real-time graphs for Analytical Reporting using **Node JS**.
  + Implemented **JSON** web tokens mechanism for authentication and authorization security configurations using

# Node.js.

* + Implemented asynchronous logic for CRUD operations in **MongoDB** using Mongoose connector, and assertions.
  + Closely worked with the **Kafka Admin** team to set up **Kafka cluster** setup on the QA and Production environments.
  + Developed, and implemented unit test cases and integration test cases using **chai** and **mocha**.
  + Use **Selenium** for creating the web-based test automation suite and perform functional testing.
  + We hosted all our **microservices** in **AWS cloud infrastructure** using **Jenkins CI/C**D pipelines.

**Environment:** Java, HTML, CSS3, REACT JS, REDUX Chai, Mocha, NPM, YARGS Grunt, Bower, Spring Security (JWT), MongoDB, Kafka, Node.js, Express, Jetty Server, AEM, Kubernetes, Docker, AWS, EC2, Jenkins,Splunk, and Selenium

# Client: IBM, Jackson, MS. Oct 2013 – Apr 2015

**Role: Java Developer Responsibilities:**

* + Used **Multithreading** to improve the performance of processing of data feeds.
  + Developed and implemented the **MVC Architectural Pattern** using **Spring Framework** and **Spring IOC**

container to maintain core Objects Lifecycle.

* + Implemented **test-driven development (TDD),** executed unit test plans and Grails Spock Test cases for all existing controllers, Services, and Domain classes, and Grails Pagination to display data using Grails Templates and views.
  + Implemented **Spring Security** for user authentication, limit login attempts, and password hashing.
  + **Developed Web Services (SOAP)** using **Spring-WS** to handle user requests and interact with other components.
  + Developed **Microservices** using **Spring Boot** and **Spring Batch** that create, update, delete, and get the assignment information from the backend.
  + Implemented **Spring Boot Microservices** to divide the application into various sub-modules.
  + Implemented Web Services clients for **APIs** by using the **Spring Webservices Template** class.
  + Used parsers like **SAX** and **DOM** for parsing XML documents and **XSLT** for **XML** transformations.
  + Designed and Developed Stored Procedures and triggers in **MS SQL** to cater to the needs of the entire application.Developed complex **SQL queries** for extracting data from the database.

**Environment:** JavaScript, Java/J2EE, JBoss, Spring Core, Spring MVC, JMeter, Hibernate, Angular.JS, HTML, CSS3, RESTful web services, Vue.JS, Bootstrap, jQuery, Jenkin, Oracle, AWS, Microservices.

# Client: My Class Board, Hyderabad, India. Nov 2012 – Sep 2013 Role: Backend Developer

**Responsibilities:**

* + Implemented the application using **struts Framework** which is based on the **Model View Controller design pattern** for clean separation of business logic from the presentation layer.
  + Participated in Design Review sessions for development/implementation discussions.
  + Coded Action classes, **Java Beans**, Service layers, and Business delegates, to implement business logic with the latest features of **JDK1.5** such as Annotations and Generics.
  + Designed various tables required for the project in **Oracle** database Used **Toad** tool to connect and work on the database.
  + Used **HTTP** Client Module to send **HTTP** requests (GET, PUT, POST, and DELETE) to the backend.
  + Utilized **CVS** to check in and check out project modules and coordinate with other team developers.
  + Prepared and executed **JUNIT** test cases to test the application service layer operations before DAO integration.
  + Used **ANT** to build the application and deployed on **JBoss.**

**Environment:** JDK, Struts, JSP, Servlets, ANT, Hibernate, Ajax, Eclipse, JBOSS, Oracle, CVS, ANT, JBoss.