Java Full Stack Developer

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PROFESSIONAL SUMMARY

I have over **7 years** of experience as a **Full Stack Java Developer** in IT. I am well-versed in all phases of the **Software Development Life Cycle** (SDLC), including Analysis, Design, Development, and Testing. I specialize in building and maintaining **JAVA/J2EE**-based web applications for enterprise environments.

- Backed by a proven track record of delivering **innovative solutions** and driving **project success**, I possess extensive expertise in developing both **frontend** and **backend** components. Specifically, I have a strong proficiency in creating single-page apps (SPAs) using various JavaScript frameworks like **Angular** and **React**, and backend development using **Spring Boot**.
- Proficiently utilized **React's virtual DOM** and efficient rendering algorithms to optimize application performance, ensuring smooth and responsive user experiences.
- Employed **Angular's powerful templating engine** and data binding capabilities to create dynamic UI components, reducing development time and promoting code reusability.
- Proficient in developing dynamic **Single Page Applications** (SPAs) using **MEAN (MongoDB, ExpressJS, AngularJS, and NodeJS)** and **MERN (MongoDB, ExpressJS, ReactJS, and Node.js)** full-stack development toolkit. Skilled in leveraging event-driven and non-blocking I/O models to create highly responsive and efficient web applications.
- Demonstrated expertise in Core Java topics like OOP, the **Collections Framework, Exception Handling, I/O System, Multi-Threading, JDBC**, and Generics.
- Experienced in using **Spring Boot** and **Spring Cloud** to design, implement and deploy **Microservices**.
- Experience with UI testing libraries like **Karma, Jasmine, Protractor,** and **Mocha**.
- Extensive knowledge and proficiency in leveraging **Java 8** features, including **Lambda Expressions**, **Streams API**, Date Time API, and Default and Static methods in Interfaces.
- Proficient in designing **microservices** applications with **docker** and **Continuous Integration (CI) and Continuous Deployment (CD) using Jenkins.**
- Expertise in **Hibernate, Spring, EJB (Entity Session Message Driven Bean), Ajax, Java Beans, JMS, Java Mail, XML,** and Sockets using IDEs like **Eclipse.**
- Proficiently implemented **Hibernate ORM** (**Object**-**Relational Mapping**) in real-time applications, enabling seamless interaction between Java objects and relational databases, ensuring data persistence and retrieval.
- Proficient in working with **Databases** like **MySQL**, **Oracle**, **SQL Server,** and **NoSQL** Databases like **MongoDB,** and **Cassandra**.
- Strong knowledge of build tools like **Sonar and Team City**. worked with a variety of bug-tracking applications, including **IBM Clear Quest, Rally, and JIRA**.
- Proficiency in utilizing build tools such as **Ant**, **Maven**, and **Gradle** to facilitate application building and deployment.
- **Implemented Kafka producers and consumers**, leveraging Kafka's high-throughput and low-latency messaging capabilities to process real-time data streams and events.
- Experience in **Designing**, **Architecting**, and **implementing** scalable **cloud-based** web applications using **AWS** and **GCP**.
- Involved in CI/CD process using **GIT, Jenkins creation**, **Maven** builds and publish, and Fabric implementation.
- Strong experience with the **Log4j logging** framework and test frameworks like **Junit** and **Mockito** for unit testing.

TECHNICAL SKILLS:

Web Technologies	HTML, JavaScript, TypeScript, jQuery, AJAX, JSON, XML, PHP
JavaScript Technologies	React, Redux, Angular, jQuery, Node.js
Framework Tools	Spring Boot, Spring MVC, Hibernate, Struts, Spring Security, Spring IOC.
Database	Oracle, MySQL, MongoDB, Cassandra, Redis, PostgreSQL
Testing frameworks	JUnit, Jasmine, Karma, Mockito, Selenium
Build Tools	Maven, Gradle, Ant
DevOps Tools	Docker, Kubernetes, Jenkins, Bamboo
Web Servers	WebSphere, WebLogic, JBoss, Tomcat, Nginx
Repositories	GitHub, Bitbucket, GitLab
Development Tools	Eclipse, IntelliJ, Visual Studio, RAD.
Messaging Brokers	Active MQ, Kafka

PROFESSIONAL EXPERIENCE:

Client: Express-Scripts (FKN)   **March 2022 - Present**
Sr. Java Full Stack Developer
Responsibilities:

- Contributed to the Design, Development, and Support phases of the **Software Development Life Cycle (SDLC).**
- Interacted with **product owners**, and **stakeholders** to gather requirements, and preparing documentation on the same.
- Designed and developed the UI using **ReactJS, HTML, CSS, Bootstrap, JavaScript, jQuery, AJAX**.
- Worked on **React JS Virtual Dom** and **React views**, rendering using components which contains additional components called custom **HTML tags**.
- Implemented **React-router** to route the pages on the client-side and built SPA.
- Incorporated **react-redux** for the authentication process and added **redux-thunk** for asynchronous handling.
- Responsible for the front-end development using **React JS** and backend using **Node JS.**
- Responsible for the development and implementation of **J2EE** applications with the latest **JAVA 8** features mainly using **lambda expressions.**
- Developed the **Microservices** using Spring Boot that create, update, delete and get the assignment information from backend.
- Worked with **Kafka Streams**, **Kafka Producer** and **Kafka Consumer** APIs as messaging systems between **Microservices**.
- Implemented the **HAPI HL7** API for parsing, encoding, and generating **HL7** messages, enhancing data accuracy and efficiency. Adapted to various data formats, ensuring **consistency** and **interoperability**.
- Wrote **Kafka** producers to stream the data from external **RestAPI's** to **Kafka** topics.
- Worked with **Microservices** architecture using **Spring Boot** to modularize code and implemented Rest API's using Spring Rest and integrated **Swagger** API for documentation.
- Developed **Rest** services using **JSON** for storing and exchanging information between browsers and servers.
- Implemented **Swagger** framework for building the REST APIs.

- Implemented **RESTful** Web services to retrieve data from the client-side and make **REST API** calls from **React** and parse the data to the project.
- Involved in the configuration of **Spring, Spring Cloud, Micro Services Framework and Hibernate mapping.**
- **Effectively managed dynamic routing with Zuul**, allowing for on-the-fly updates and service discovery through integration with Spring Cloud Eureka.
- Created POC of Authentication and Authorization with **OAuth2** Spring Boot microservice. Utilized JWT as tokenization scheme for **OAuth2**.
- Implemented the **Apache Kafka** cluster as a messaging system between the **APIs** and **Microservices.**
- Worked with **NoSQL** database **MongoDB** and developed custom **MongoDB** applications specific to clients' needs.
- Good knowledge in employing database caching strategies using **Redis**, **MongoDB** Elastic search.
- Used **JUnit** to unit test the modules & **Log4j** along with Splunk for logging error/debug messages and managing.
- Tested every functionality by Test Driven Development using **Junit** and **Mockito**.
- Implemented the **Maven framework** to ease the development, build and dependencies management thus saving huge development time to the organization.
- Implemented **Git branching strategy** for inspection and version control maintenance.
- Created continuous integration builds using **Jenkins**, and **Gradle**.

- Proficiently utilized **Docker** for diverse infrastructure setups and end-to-end automation.
- Involved in development of test environment on Docker containers and configuring the **Docker** containers using **Kubernetes**.
- Involved in developing **AWS** repository using **RDS** and **AWS S3** for storing various documents.
- **Implemented AWS Lambda functions** to execute event-driven microservices, optimizing resource utilization and reducing operational overhead in real-time projects.
- Utilized **AWS API Gateway** to create and manage **RESTful APIs**, enabling seamless communication between various components of real-time applications.

Environment: React, JavaScript, jQuery, Java 8, Spring, Spring Boot, Hibernate, Spring batch, Log4j, Splunk, JIRA, Apache Kafka, JPA, JMS, PL/SQL, Swagger UI, Kubernetes, Web Services, RESTful, Mockito, Microservices, GRPC, Junit, Karma, Jasmine, GitLab, Jenkins, Docker and AWS.

Client: Bank of America (Plano, Texas)   **August 2021 - March 2022**
Java Full Stack Developer

Responsibilities:
- Responsible for creating efficient design and developing User Interaction screens using **HTML, CSS3, Bootstrap, JavaScript, Angular 8 and Node JS**.
- Consolidated various **microservices** by code refactoring, increasing the productivity and efficiency of the code.
- Implemented **Angular forms**, both template-driven and reactive forms, to capture and validate user inputs in the applications and used **Angular Material UI** components to achieve consistent and visually appealing user interfaces.
- Utilized **Angular's HTTP Client** module to interact with **RESTful APIs**, managing HTTP requests and responses for real-time data retrieval and manipulation.
- Developed UI components using Angular dependency **Injection**, Models, data binding and controllers.

- Used **Angular** Template Driven forms and Modern Driven (Reactive) forms to perform form validations both on server and client side.
- Used **JavaScript** and **jQuery** for validating the input given to the user interface.
- Used **Jasmine** for testing the **JavaScript** functionality and **Karma** for running the tests.
- Used **Java 8** features such as **Lambda expressions**, **Functional Interfaces**, **Streams** to avoid boilerplate code.
- Used **Spring Boot** for developing **Microservices** using **Spring JPA** to connect with the Database.
- Designed and developed **Microservices** based business components and **RESTful** service endpoints using **Spring boot.**
- Created Services to consume **REST API's** and to communicate between components using Dependency Injection.
- Used Rest Controller in Spring framework to create **RESTful** Web services and **JSON** objects for communication.
- Applied **Agile methodologies** to manage projects, demonstrating effective **teamwork** and **leadership**, fostering collaboration, adaptability, and delivering value-driven solutions.
- Effectively managed microservices security, employing **OAuth2**, **JWT**, or **other authentication** and **authorization mechanisms** to safeguard sensitive data and prevent unauthorized access.
- Applied **domain-driven design (DDD) principles** in microservices architecture, effectively aligning business domains with individual microservices to improve domain understanding and maintainability.
- Developed & Implemented **OAuth2** functionality with Spring Security to secure the REST services/REST API for authentication & authorization and generate & validate the tokens for REST clients to protect the REST services.
- Implemented **Spring Batch** for batch processing of files, and used Caching Connection Factory, Asynchronous Reader, Processor, Writer interfaces to improve performance of batch processing.
- Implemented **Spring MVC** pattern and used View Resolver to map web pages.
- Used **Spring DAO** concept to interact with oracle database using **Hibernate Template**.
- Implemented the persistence layer using Hibernate and configured **Hibernate** with Spring to interact with the **PostgreSQL** Database streams and lambda expressions to increase performance.
- Implemented the persistence layer using various features of the **Hibernate** framework like **HQL** queries, **Criteria**, **projections**, etc.
- Utilized **Agile project management tool** (**JIRA**) to manage tasks, track progress, and facilitate team collaboration.
- Implemented **OAuth 2** in our application in order to communicate securely with other protected resources by exchanging access tokens for authentication instead of using username and passwords.
- Performed Unit test case using **JUnit** framework and **Mockito**.
- Used Jenkins to execute the **Maven** project as well to build the version system tool.
- Set up **Jenkins's** server and build jobs to provide continuous automated builds based on polling the Git source control system.
- Used **Apache Tomcat** application server for application deployment.
- Utilized **AWS EC2 (Elastic Compute Cloud) instances** for hosting real-time applications, effectively managing compute resources to meet dynamic workloads.
- Employed **AWS RDS (Relational Database Service)** to set up and manage highly available databases, ensuring data integrity and availability for real-time data processing.

<u>**Environment:**</u> JavaScript, jQuery, Angular, Java, NodeJS, Bootstrap, Hibernate, JSON, JIRA, RESTful Web services, Spring Kafka, IBM DB2, Docker, Heroku Connect, AWS, Kubernetes, Jenkins.

Client: Home Depot (Austin, Texas)　　　　　　　　　　　　　　　　**March 2019 - July 2021**
Java Full Stack Developer

Responsibilities:
- Analyzed organizational needs and goals for the development and implementation of **application systems** by involving business personnel.
- Developed user interface by using the **React, Flux** for SPA development.
- Used **React** for **templating** for faster compilation and developing **reusable components**.
- Implemented **React** code to handle cross browser compatibility issues in Mozilla Firefox, IE, Safari and Chrome.
- Worked on existing **Angular** project for better performance and feasibility of the project.
- Developed various User Interface screens using **HTML**, **Angular**, **JavaScript and CSS.**
- Used **Angular** components like modules, controllers, and built-in and synchronizing models with single page Applications (SPA).
- Moved the project to **Java 8** to extensively use **Lambda expressions** and have better connectivity to Cloud in addition adding **Spring Boot** Libraries and UI Enhancement.
- Developed Microservices to provide **Restful API** utilizing **Spring Boot** with frameworks such as **Hibernate**, **Spring Data JPA**, and messaging engines.
- Proficiently employed **Hibernate** annotations including **@OneToOne, @OneToMany**, and **@ManyToOne** to meticulously define entity relationships.
- leveraged Spring's declarative transaction management with **Spring JDBC**, ensuring data consistency and reliability during complex operations.
- Worked with backend engineers to optimize existing **REST API** calls to create efficiencies by deprecating unneeded **REST API** calls.
- Developed web services using REST and clients using Spring **Rest Templates**.
- Worked on developing the **RESTFUL APIs** using the **Spring Boot, Spring MVC.**
- Designed and developed **RESTful Web Services** using **Spring Boot**.
- Worked on Micro services development using Spring Boot and deployment in **Pivotal Cloud Foundry (PCF)**.
- Led the implementation of **Kafka Streams** for facilitating message exchange between **microservices** and utilized **Zookeeper** for maintaining the **Kafka cluster** and **brokers**. This initiative resulted in a notable **30%** improvement in communication **speed** between modules.
- Extensively used **Hibernate** in the data access layer to access and update information in the database.
- Used **Hibernate** Framework to map POJO classes to DB schemas and HQL to perform CRUD operations.
- Implemented the Microservices architecture with **Spring Boo**t based Microservices interacting through a combination of **RESTful** and **Apache Kafka message brokers**.
- Monitored the error logs using **Log4J** and fixed the problems.
- Developed **stored procedures** in **DB2** to enhance **frontend** functionalities and created reporting tools to generate user transaction reports using DB2.
- Worked on **MongoDB** concepts such as **locking**, **transactions**, **indexes**, **Sharding**, **replication**, **schema design**.
- Developed test cases and performed testing using **JUnit** and **Mockito.**
- Worked in close association with the **DevOps** team to maintain and build the application using the **Gradle** tool.

Environment: Java 1.8, JavaScript, Angular, Hibernate, Spring MVC, Spring IOC, RESTful, Amazon Web Services (AWS), Log4J, MongoDB and MySQL, GIT, JUnit, JSON, JIRA.

Client: Dr. Reddy's Laboratories (Hyderabad)   **June 2017 - February 2019**
Java Full Stack Developer
<u>**Responsibilities:**</u>
- Actively participated in meetings with **Business Analysts and Architects** to identify the scope, requirements, and architecture of the project.
- proficiency in dynamic web development and interactive web pages with Spring MVC's powerful **Model-View-Controller pattern**, enhancing user experience and interactivity in the application.
- Used **Spring Dependency Injection**, **Annotations and Spring MVC components** to implement business layer and navigation part of application.
- **Expertise in creating custom AOP aspects** to handle repetitive tasks, such as performance monitoring and error handling, leading to improved application performance and user experience.
- Used Spring AOP's proxy-based mechanism to introduce additional functionalities to existing beans without modifying their original code, promoting **flexibility and ease of maintenance**.
- Implemented dynamic SQL queries with Spring JDBC's support for Named Parameters and Sql Parameter Source, offering **flexibility and adaptability** to changing query conditions.
- Implemented various **design patterns** like **singleton**, data access object, data transfer object, and MVC design patterns.
- Used **Hibernate** for interacting with the database **MySQL** using hibernate mapping, and configuration using hibernate queries.
- Optimized **SQL indexes** and used **database statistics** to improve query execution plans and SQL **triggers** and **stored procedures** to implement automated data validation and data integrity checks.
- Built the web-based application using **Spring MVC Architecture** and **REST Web services**.
- Tested the performance of our API using **SoapUI, Postman,** and **JMeter**.
- Prepared **JUnit** test cases and executed the test cases using JUnit.

<u>**Environment:**</u> Java, Spring, TDD, Git, CSS3, Bootstrap4, HTML5, Hibernate, MongoDB, Jenkins, Dockers, AWS RDS, JMS, Log4j, Postman, Spring Boot, UNIX.

Client: Value Labs (Hyderabad)   **May 2016 - May 2017**
Java Developer
<u>**Responsibilities:**</u>
- Implemented **OO Design Concepts**, **Exception Handling**, Identifying and Fixing Potential **Memory**, **Performance**, and **Transactional** issues throughout the application.
- Responsible for developing the reports design and format using **J-Report Designer** from the requirements.
- Modified the **UI design** of the Web Application according to the report parameters.
- Designed and Implemented MVC architecture using **Struts** Framework.
- Used **JSP, JavaScript, HTML5, and CSS3** for manipulating, validating, and customizing error messages to the User Interface.
- Extensively used **JSP** in the view of **MVC architecture**.
- Used **ANT** to write build scripts for several components involved in the project.
- Bug fixing, functional testing, production support, and maintenance through **JIRA.**
- Implemented persistence layer using **Spring JDBC** template to store the data in **PL/SQL** database.
- Database Schema and the tables were developed using **SQL** Developer.
- Created and implemented **PL/SQL** queries, **views**, **stored procedures,** and **triggers**.
- Worked with **JDBC** programs using Oracle and **MySQL** databases and developed **SQL** and **PL/SQL** for Oracle to process the data.

<u>**Environment:**</u> JDK, JSP, Servlets, Struts, JDBC, EJB, JMS, Spring, Hibernate, AJAX, Oracle, XML, XSLT, HTML, CSS, WebLogic, UML, Eclipse, PL/SQL, Junit.