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**Java Full Stack Developer**

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**Professional Summary: -**

* Around **9+** years of experience in the Design and Development of applications using Java and **J2EE** technologies.
* Worked in **Agile** and **Waterfall** development methodologies.
* Expertise in UI technologies like **XML, HTML, CSS3, JSON, AJAX, JavaScript, Angular 10/6/8/14, ReactJS, Node.js.**
* Experience in test driven development, pair programming, agile methodologies and waterfall methods including **SCRUM** and **KANBAN**.
* Experienced in the design and development of multi-tiered web-based applications using **Java & J2EE** (**Core Java, JDBC, XML/XSLT, JMS**) and frameworks like **Spring MVC, Spring Boot, Nest.js,** and **hibernate** for persistence purposes.
* Designed and developed **RESTful APIs** and **GraphQL** endpoints using Nest.js for a range of web applications.
* Implemented authentication and authorization mechanisms using Nest.js middleware and JWT tokens.
* Experience with the ORM tool **Hibernate** involving Connection pooling, Mappings, Transaction Management, and **HQL** (Hibernate Query Language).
* Led the Development and deployment of multiple web applications using **Angular10/14**, RxJS, Material Design and **NgRx**.
* Experience with Design, code, and debug operations, reporting, data analysis and web applications utilizing Python.
* Skilled in using IDE tools such as Eclipse, **IntelliJ IDEA** and **Spring tool Suite**.
* Experience in various messaging systems like **JMS**, **Rabbit MQ**, **Active MQ**, **Kafka**.
* Experience in workflow implementation using **CAMUNDA BPMN** processes implementation.
* Experience in NoSQL databases including **CASSANDRA**, **MongoDB** for the cluster management with Apache **KAFKA** as messaging system.
* Experience in using version control tools like Rational Clear Case, **Tortoise SVN**, **CVS,** **Git**, and **GitHub**.
* Strong experience in database design using **SQL**, **PL/SQL**-Stored Procedures, Functions, Triggers, Sequences, Packages and Views.
* Have expertise in different Big Data Analytic tools including Hive, **Impala** and Sqoop in importing raw data from **RDBMS** to **HDFS**
* Solid experience with deploying and testing web applications in Microservices framework using **Docker** Container.
* Experience bug tracking tools like **JIRA**, **QC ALM**.
* Experience in Existing Applications with a **Redis** Cache.
* Expertise in using **IntelliJ**, **Eclipse**, **MySQL Workbench**, **DBeaver**, **Postman**, Curl, Swagger and **VS Code** for the complete development in the applications.
* Experience in working with different operating systems like Windows and **UNIX/Linux.**
* Expertise in creating user **validation forms** and sending data to servers using **Restful** services.
* Experienced in Middleware persistence frameworks like **Hibernate/JPA** for mapping Java classes with database and using **Hibernate** Query Language.
* Expert in writing **SQL queries** in **PL/SQL**, **Triggers**, and **Stored Procedures** and using them for **data retrieval, manipulation, and management** in various **relational database** systems.
* Good knowledge in **Amazon Web Services** (AWS) services, including **Amazon EC2, AWS Lambda, Amazon S3, Amazon EBS, Amazon RDS, Amazon DynamoDB**, and **Amazon VPC (NAT, VPC Peering, and VPN).**
* Experience in **client-side JavaScript frameworks** employing **MVC** (Model-View-Controller) and **MVVM** (Model-View-ViewModel) design patterns for structured and maintainable web applications. Experienced with **framework**s like **Ember.js, Handlebars.js, Backbone.js.**
* Experience in working with UI technologies like **AEM, HTML5, CSS3, JavaScript, jQuery, Bootstrap, and Angular.**
* Experience in implementing single page applications using **Angular.JS** directives, and routing modules.
* Experience in handling messaging services using **Apache Kafka**.
* Experience in dealing with Cross Browser issues very effectively and work on every web Browsers Safari, Internet Explorer, Mozilla Firefox, and Google Chrome.
* Excellent collaborator and good temper interested at tracking recent technologies and willing to learn.
* Excellent problem solving, analytical and leadership skills and ability to perform independently or as part of a team. Excellent Collaborator. Excellent communication skills.
* Experienced in the Development, testing, and deployment of enterprise applications on **Windows** & **UNIX** platforms using **IDEs** such as **Eclipse**, **NetBeans**, and **IntelliJ** 14.x/15.x, **Web Storm, Visual Studio Code.**

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Programming Languages** | C, C++, Java/J2EE, SQL, PL/SQL, Python |
| **Java Technologies** | J2EE, EJB, Servlets, JSP, JSTL, JAX-RPC, JDBC, JNDI, JMS, JAXB, JUnit, Mockito, AWT, Spring MVC, Hibernate, Spring AOP, Spring DAO, Spring Core, Spring Security, Spring REST, Spring Boot, Spring Cloud, JPA, Log4j, Apache Kafka. |
| **Frameworks** | Spring, Hibernate, MEAN Stack |
| **Scripting Languages** | JavaScript, TypeScript, jQuery |
| **Web Technologies** | HTML5, XML, CSS3, Bootstrap, JSP, Ajax, NodeJS, Type Script, Express, ReactJS, AngularJS, ReactNative Angular 2/4/6/7/8/9/10/11/12, Redux, Flux, ECMA Script |
| **Web Services** | REST, SOAP, WSDL |
| **Web/Application Servers** | Apache Tomcat, WebSphere, WebLogic, Jboss |
| **IDE’s** | Eclipse, NetBeans, IntelliJ, IBM RAD, WSAD |
| **Databases** | Oracle, DB2, SQL, PostgreSQL, MySQL, NoSQL – MongoDB, Cassandra |
| **Operating Systems** | Windows, MacOS, Unix, Linux (Ubuntu, Red Hat) |
| **Version Control** | CVS, Clear Case, SVN, GitHub, Bitbucket, GitLab |
| **Methodologies** | Agile, Scrum, Waterfall, TDD. |
| **Other Tools** | MS Office, Swagger, Postman, HP ALM, JIRA, Junit, Mockito, Log4j |
| **Build Tools** | Maven, Gradle, Ant, Jenkins. |
| **Cloud Technologies** | Azure Services- App Service, AKS, Cosmos DB, KeyVault, API Management, Azure AD,AWS |

**Professional Experience:**

**United Airlines, TX Apr 2022 – Current**

**Sr. Java Full Stack Developer**

**Responsibilities :**

* Worked in a highly dynamic **AGILE** environment and participated in scrum and Sprint meetings. Participated in Iteration planning, requirements analysis, design, coding, testing, and documentation.
* Designed and developed User Interfaces, tables using **HTML5, CSS3, JavaScript, jQuery, JSON, Bootstrap, XML, Node.js, React.js, and Typescript, ReactNative Angular 10**.
* Implemented logging library using **Angular 10** to share components and services between the libraries.
* Developed http requests using **Rxjs** observables to communicate between server and client with Angular 10.
* Used OOPS concepts like **Encapsulation**, **polymorphism, collections,** and **multithreading**.
* Worked on reading and writing to/from the files by using newly introduced **Java 11**.
* Used **Java 1.8** Method References feature to point to methods by their names and used functional Interfaces.
* Used **Java 1.8** features like **Lambda** expressions and Stream API to support functional-style operations on streams of elements.
* Used Web services for sending and getting data from different applications using **SOAP** messages.
* Integrated **Spring Boot Hibernate** and **JPA framework**.
* Converted a monolithic app to microservices architecture using Spring Boot using 12-factor app methodology. Deployed, Scaled, Configured, wrote manifest file for various Microservices in **PCF**.
* Implemented **Azure Bicep** for infrastructure provisioning, resulting in a 40% reduction in deployment time compared to traditional ARM templates, accelerating the rollout of new features and updates for guest-facing applications.
* Implemented **Azure API Management Service (APIMS)** resulting in a 30% reduction in integration time for mobile applications, streamlining guest services and enhancing customer satisfaction.
* Developed application using **Spring MVC**, **Spring Boot**, **JSP**, **JSTL** (Tag Libraries) and **AJAX** on the presentation layer, the business layer is built using spring and the persistent layer uses Hibernate.
* Used Microservices to ensure the scalability of application on cloud infrastructure.
* All the functionality is implemented using **Spring IO** / **Spring Boot**, Thyme leaf and **Hibernate ORM.** Implemented Java EE components using **Spring MVC**, **Spring IOC**, Spring transactions and Spring security modules.
* Developed microservices based independent API using REST to connect with several databases like **Oracle**, **Postgres, MonogDB** (**NoSQL**).
* Used **MySQL** database and written number of SQL queries for retrieving the data and validated that data against the business rules.
* Involved in installing modules and libraries using Node Package Manager (**NPM**).
* Used **MAVEN** as a Build Process and used generating Documentation, Reporting, and adding Dependencies.
* Integrated **Azure Bicep** with **Azure DevOps pipelines**, enabling **CI/CD** for infrastructure code changes and achieving a 60% increase in deployment frequency, enhancing agility and responsiveness to business requirements.
* Worked on Swagger **API** and auto-generated documentation for all **REST** calls.
* Created a fully Automated Build and Deployment Platform and coordinating code builds, promotions and orchestrated deployments using **Jenkins** and **GIT**.
* Developed **Azure Functions** to expose **RESTful** data services, leading to a 40% improvement in **API** response time and a 25% decrease in infrastructure costs due to optimized serverless computing.
* Developed **BDD** tests using cucumber by writing behaviors and step definitions. Developed required selenium support code in java for cucumber.
* Implemented automation using **selenium WebDriver**, Java, **selenium grid**, **Cucumber**, **maven**.
* Leveraged **Azure Virtual Machines** and **Azure Kubernetes Service (AKS)** to deploy and manage scalable and highly available backend systems for management applications.
* Implemented **Azure API Management Service (APIMS)** resulting in a 30% reduction in integration time for mobile applications, streamlining guest services and enhancing customer satisfaction.
* Using **APIGEE** configuration and generated proxies service discovery definition, telemetry definition, logging, and security.
* Involved in System Testing, Integration Testing, and Production Testing on WebLogic Server.
* Worked with Docker for creating **Docker** images using Dockerfile and DockerCompose file.
* Restful Web services for other systems to interact with our system and secured the service with Spring-Security Oauth-2.0.
* Implemented to reprocess the failure messages in **Kafka** using offset Id.
* Developed integration modules for disparate clients using Apache Camel.
* Development of Continuous **FTP** service of encrypted large files between distributed systems using **Apache Camel**.
* Created **Docker** container images by tagging and pushing the images and worked on the infrastructure using Docker containerization.
* Worked with **OpenShift** platform in managing **Docker** containers and **Kubernetes** Clusters.
* Involved in developing internal applications connecting to **MongoDB** (NoSQL) and **Elasticsearch**.
* Deployed the Spring Batch application on Pivotal Cloud Foundry (**PCF**) instance and bind the services like **Java** and **PostgreSQL** services.
* Developed unit test cases using **Mockito** framework for testing accuracy of code and logging is done using **SLF4j** + **Log4j.**
* Used **POSTMAN** to check the Json data received from the services.
* Worked on unit test cases using Karma and Jasmine on Client side.
* Wrote comprehensive Unit test cases using test automations like Junit and used **JIRA** for bug reporting.
* Developed story/task by following **TDD/BDD** and Pair programming concepts.

**Environment:** Java 1.8/11, Spring Batch, Spring Boot, Spring MVC, Microservices, Azure, Hibernate, JSON, RESTful, Eclipse, MAVEN, JUnit, APIGEE, Jenkins, Kafka, MongoDB, NPM, NoSQL, Agile Methodology, GIT, PCF, Docker, Kubernetes and Log4J, Swagger, Angular 9, HTML5, CSS3, JQuery, Node.JS, React.JS, ReactNAtive, TypeScript, AJAX, POSTMAN, Bootstrap, Mockito.

**Client: United health Group – Texas Aug 2020 – March 2022**

**Sr. Java Full Stack Developer**

**Responsibilities :**

* Followed Agile methodology in the Scrum Cycle model. Involved in all phases of the Software development life cycle (**SDLC**) using Agile Methodology.
* Defined **RPA** automation strategy for process involving mainframes, web service calls and web applications implemented.
* Implemented and developed UI components using React JS features like dependency Injection, Models, data binding and controllers.
* Developed **GraphQL** end point and Interactive web pages using **ReactJS, HTML 5, CSS3** and **JavaScript**.
* Designed & developed using **HTML5, CSS3, EXT JS, JavaScript, XML, Angular 8, NodeJS, JSP, JSON, Vue.js, JSF, J2EE and Ajax.**
* Developed applications using **RESTFUL** architecture using Node.js and Python as backend languages.
* Rewrite existing Java application in **Python** module to deliver certain format of data.
* Developed classes using Core Java/Executor Service (multithreading, concurrency, memory management).
* Created **Spring Boot** with Micro Services utilizing RESTful API.
* Integrated Apigee with Java applications for robust **API** lifecycle management, from design to deployment and monitoring
* Consumed **REST** Web Services for getting the credit card information from third party application.
* Developed Restful Web services for other systems to interact with our system and added WS-Security using **XWSS** to secure the Web services.
* Developed webpage using **AngularJS, HTML5, CSS3**, AND Java Script to develop MVC App that integrated with Back-end RESTful services using **AJAX** to perform GET and **POST** data to backend servers.
* Implemented the associated business modules integration using Spring and Hibernate data mapping.
* Leveraged the Stream API for efficient data processing and manipulation, enhancing application performance and readability using **Java 8**.
* Used Spring Batch which uses Spring IOC dependencies, this is useful for developing batch processing.
* Generated property list for every application dynamically using python.
* Implemented Hibernate Template to great extent making use of HQL, Named Parameters, Named Queries, and interfaces such as Expression, Query, and Criteria.
* Configured Docker Container Service and built pipeline Jenkins **CI/CD** tool for continuous integrating and deploying application on servers.
* Developed applications leveraging **Java 8's** lambda expressions to write concise and expressive code.
* Worked on **Kubernetes** Cluster as a part of deployment activity. Configured Kubernetes in the application for automating deployment, scaling, and management of containerized applications.
* Developed Session Beans for Transactions like fetching the data and updating the customer information.
* Developed unit and integration tests for existing microservices using JUnit and Docker environments.
* Wrote SQL queries using PL/SQL, stored procedures, and enhanced performance by running explain plans.
* Involved in CI/CD process using **GIT, Jenkins job creation, Maven** build create Docker image and deployment in AWS environment.
* Used JMeter to evaluate performance of **SOAP** protocol.
* Worked on GUI design and development using Java Swing.

**Environment:** Java 8, Spring Boot, Spring Security,RPA, Spring Cloud, Python,Angular 8/11, Netflix, Eureka, AWS, EC2, S3, VPC, ReactJS, NodeJS, NPM, JSON, Docker, REST API, Kafka, JavaScript, Swagger, MongoDB, Cassandra, HTML5, CSS3, Bootstrap, Postman, Cucumber, TestNG, Selenium, Node modules, GIT, Junit

**Client: ValueLabs , Hyd Feb 2018 - Dec 2019**

**Role: Java Full Stack Developer**

**Responsibilities :**

* Successfully followed **agile methodology** in the Scrum Cycle model.
* Designing and developing the Commercial Business Portal using **Angular 6** along with **HTML5, CSS3, JavaScript,** and **Typescript**.
* Developing E-trading web applications using React Js and Redux with **Redis**.
* Implemented UI components using **Angular 6** dependency Injection, Models, data binding, and controllers.
* Involved in requirement gathering, designing, development, UI reviews, and maintenance.
* Creating Typescript reusable components and services to consume **REST APIs** using Component-based architecture provided by **Angular 6**.
* Created RESTful endpoint in spring framework for migrating from **RACF**(OpenDJ) to **ForgeRock**
* Involved in developing **HTML** and JavaScript for client-side presentation and data validation.
* Worked on **OOPS concepts like** abstraction, encapsulation, inheritance, and polymorphism.
* Developed **microservices** with **Spring Eureka** to retrieve API routes for the entire cluster. Using this strategy each micro service in a cluster can be **load-balanced** using **Ribbon** and exposed through one API gateway.
* Used **Spring Boot** Actuator to externalize the application's configuration properties for different environments.
* Used **GIT** for version control, experience with **GIT-Bash and GIT.**
* Implemented CSS Selector, CSS Scalable, and modular approach in the front-end design.
* Secured the **REST API** by implementing the **OAuth2** token-based authorization scheme using **Spring security**.
* Developed API for using **AWS** **Lambda** to manage the servers and run the code in **AWS**.
* Used **AWS SDK** for connection to Amazon **S3** buckets as it is used as the object storage service to store data.
* Used **MongoDB** and Oracle DB for the application. The legacy info was going to Oracle and the rest to **MongoDB**.
* Performed CRUD operations like updating, Inserting and Deleting data in **MongoDB**.
* Installed **MongoDB**, configured, set up backup, recovery, upgrade, and tuning and data integrity.
* Used WebSphere for application deployment and **Log4J** used for Logging/debugging.
* Written several unit test cases using **JUnit** and created unit test documents.
* Developed code using **IntelliJ IDEA** as an Integrated Development Environment for Java-based applications.

**Environment:** Java, HTML5, CSS3, Bootstrap, Angular 6, Ajax, Spring Boot, Spring Eureka, Spring Actuator, OAuth2, Restful Web Services, Oracle 11g, MongoDB, WebSphere Application Server, GIT, Junit.

**Client : Vsigma, India Nov 2016 – Jan 2018**

**Role:** **Java Developer**

**Responsibilities :**

* Played a pivotal role in designing and developing applications using **J2EE, Struts**, and **Spring technologies/frameworks**, with a focus on implementing **Service Oriented Architecture** (SOA) principles.
* Demonstrated expertise in software development methodologies, including the **Software Development Life Cycle** (SDLC), **Object-Oriented Technologies**, **UML**, and **Agile** methodologies such as **Extreme Programming** (XP) and **Scrum**.
* Developed intermediary methods to facilitate efficient **data retrieval** and **transmission** between objects within the application.
* Utilized **SOAP UI** for comprehensive testing of web services, collaborating on the implementation of enterprise-level **SOA** application projects.
* Possessed significant expertise in web development tools, including **Adobe Dreamweaver CS3, CQ5, Spring Tool Suite,** and **Eclipse**.
* Leveraged strong database design skills to create effective **database** structures, including writing **Stored Procedures, Functions, Triggers**, and **complex queries**. Proficient in using **SQL Server** and **MySQL.**
* Consumed third-party web service **API**s and integrated web services using **AJAX** and **jQuery**.
* Utilized **JDBC** to establish connections with **MySQL** databases and retrieve essential data.
* Conducted thorough testing and deployment of applications on the **Tomcat Application Server.**
* Demonstrated proficiency in configuration management and version control software like **SVN**.
* Successfully designed and implemented **SOAP** Web Services for Data Ordering information, facilitating seamless communication with external vendors.
* Implemented **Log4J** for error tracking and monitoring within the application and helped the testing team and participated in resolving bugs.

**Environment:** Angular JS, HTML, CSS3, REST Services, Structs, SOA, JavaScript, jQuery, Git,Eclipse Java IDE.

**Byte Alpha Systems, India. April 2015 – Oct 2016**

**Java/J2EE Developer**

**Responsibilities**

* Built Single Page Apps using **Angular JS** and **Bootstrap** for Responsive Design.
* Involved in developing the applications using **Spring Framework** for Dependency Injection (Inversion of Control).
* Developed **RESTful & SOAP** Web Services using Jersey API and JSON as media type in integration with Springs.
* Design and develop application codes using **Java/JEE**, **XML**, **SOAP, REST**, Spring Framework, and Hibernate Framework.
* Utilized J2EE/Java and **Spring**, and Hibernate to troubleshoot technical issues (error messages, bugs with the software, availability).
* Developed **REST/SOAP** based web Services as **API** using Spring and deployed Jetty/Tomcat containers.
* Extensively used Hibernate in data access layer to access and update information from the Oracle database.
* Spring framework to implement bean to declare a service and access those using Application context.
* Developed and debugged the application using **Eclipse IDE**.
* Involved in designing and developing Object-Oriented methodologies using **UML** and created Use Case, Class, Sequence diagrams.
* Implemented Multithread concepts in java classes to avoid deadlocking.
* Created Core java Interfaces and Abstract classes for different functionalities.
* Written Spring Core and Spring MVC files to associate **DAO** with Business Layer.
* Implemented Maven as build and configuration tool.
* Implemented MySQL Queries and Triggers using **MySQL** Server
* Responsible for the performance **PL/ SQL** procedures and SQL queries.
* Followed Agile Methodology during the development process.
* Used **SVN** for version control and **Log4J** logging framework to write Log messages with various levels.
* Write/set up Maven to build, package, and deploy application code to the target JEE Application/Web Servers. Used sub-version, maven for making builds and deployments of the application components.
* Configure application resources in WebLogic application Server such as Data Sources and Messaging resources.
* Worked on implementing scalable architectures by parallel executions and partitioning/sharding data across the nodes in the cluster.
* Used **EJB** Query Language to retrieve data from Hypersonic SQL.
* Developed and maintained Ant Scripts for the build purposes of testing and production environments.
* Participate in a Scrum/Agile team, attend stand-ups and estimate complexity for stories and tasks assigned.
* Developed web services in Java and Experienced with **SOAP.**

**Environment:** Java/J2EE, AngularJS, Spring, JSP, CSS, XML, JUnit, JavaScript, Agile, Eclipse, MSSQL Server, Ajax, Web-Services, Maven, SVN.

**EDUCATION:**

Bachelor’s Degree on Electronics and Communication Engineering, Vignan University, Vadlamudi, India.

2011 – 2015

The University of Texas at Arlington , Arlington , Texas

2020 - 2021