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**Professional Summary:**

* **10+** years of experience in Designing, developing, and maintaining full stack web applications using Java, Spring, Spring Boot, Angular and React frameworks.
* Experienced in developing and maintaining **RESTful** web services to support frontend Angular or React based applications.
* Experienced in developing and maintaining scalable, resilient, fault-tolerant, and highly available cloud applications using Java and related technologies on **AWS** platform.
* Experienced in designing, developing, and implementing cloud-native architectures and microservices-based applications on **AWS** using **AWS** services such as **Lambda**, **S3**, **EC2**, **RDS**, **API** **Gateway** etc.
* Experienced in developing and maintaining Continuous Integration and Continuous Delivery (**CI**/**CD**) pipelines for web applications using **Jenkins** and **Bamboo**.
* Experienced in creating innovative and effective User interfaces with **HTML**, **CSS**, **JavaScript**, **Bootstrap**, **Angular** and **React**.
* Experienced in Analyzing the existing legacy Java-based application architecture and identify areas for modernization and migration to **microservices**.
* Expertise in design and development of microservices-based architecture using **Java**, **Kafka**, and other related technologies on **AWS** Cloud.
* In-depth knowledge and practical experience with a wide range of **AWS** services, including but not limited to **EC2**, **S3**, **RDS**, **Lambda**, API **Gateway**, **DynamoDB**, **CloudFormation**, **IAM**, and **CloudWatch**.
* Strong understanding of **AWS** best practices for security, scalability, and performance optimization.
* Proficient in designing, deploying, and managing highly available, **fault**-**tolerant**, and **scalable** applications and infrastructure on **AWS**.
* Experience in migrating on-premises applications and infrastructure to **AWS** cloud.
* Skilled in utilizing **AWS** **CLI** (Command Line Interface) and **SDKs** (Software Development Kits) to automate **AWS** resources and manage infrastructure as code.
* Familiarity with containerization technologies such as Docker and container orchestration platforms like **Amazon** **Elastic** **Kubernetes** **Service** (**EKS**).
* Solid understanding of networking concepts and experience in configuring **Virtual** **Private** **Cloud** (**VPC**), **subnets**, **security** **groups**, and **network** **access** **control** **lists** (**ACLs**) on **AWS**.
* Proficient in monitoring and troubleshooting **AWS** resources using **CloudWatch**, **CloudTrail**, and other monitoring tools.
* Strong knowledge of **AWS** Identity and Access Management (**IAM**) for managing user roles, permissions, and policies.
* Experience with **AWS** Serverless technologies, including **AWS** **Lambda**, **API** **Gateway**, and **serverless** application architectures.
* Knowledge of DevOps practices and experience in using **AWS** tools for continuous integration, continuous deployment (**CI**/CD), and infrastructure automation.
* Extensive **MongoDB** development experience (**reports, schema design, map reduce functions**) and migrations from SQL relational databases to **NoSQL** databases like **MongoDB, Cassandra, Oracle DB.**
* Expertise in building real time data pipelines using **Spring Kafka** **and zookeeper apart from Kafka, RabbitMQ and JMS.**
* Expertise in Object-relational mapping using **Hibernate**.
* Having knowledge of Apache Spark and experience in handling messaging services using **Apache Kafka**.
* Expert in designing and developing **presentation** and **CRUD** operation **microservices**.
* Proficient in **Azure**, **AWS** and **Terraform** with extensive experience focusing on services **EC2**, Elastic Beanstalk, Elastic Load Balancers, CloudWatch, CloudFront, Cloud Formation, **IAM**, S3, ELB, RDS, Elastic ache, SNS, **Lambda**, SQS.
* API testing using **SoapUI, Postman** and load testing using **LoadRunner**.
* Experience in testing with **JUnit** Framework using **Mockito** and Easy Mock, Spring JUnit Runner, and JMeter and expertise in several testing environments such as **JUnit**, **Selenium**, CURL, Jenkins, **SoapUI**, and **System Testing**.
* Containerizing Java applications using **Docker**, **OpenShift** and **Kubernetes** ensuring portability, efficiency, and scalability.
* Experience with CI/CD tools including **Jenkins, Hudson, CVS, Git, and GitHub**.

**Technical Skills:**

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| --- | --- |
| **Languages** | Java, J2EE, JSE, PHP, UML, SQL, PL/SQL |
| **Web Technologies** | Servlets, JSP, JavaBeans, Java Servlet API, HTML5, CSS3, XML, AJAX, Node.JS, JavaScript, jQuery, Bootstrap, JDBC, Filters, Listeners. |
| **Frameworks** | Spring, Hibernate, React.JS, Angular.JS, Spring MVC, Spring Core, Spring Context, Spring AOP, Spring DAO, Spring IOC, Spring Batch, Spring JDBC, Spring with Hibernate), JSP, JSTL, Apache Camel, Struts, JMS |
| **Application/Web Servers** | Apache Tomcat, IBM WebSphere, Jetty, WebSphere MQ, WebLogic, JBoss. |
| **Databases** | MongoDB, Cassandra, Oracle 11g, SQL server, MySQL, DB2. |
| **Cloud Environments** | AWS, Microsoft Azure, Terraform, Netflix Eureka, AWS EC2, S3 bucket, ELB, Auto-Scaling, SNS, SQS, AMI, IAM, Dynamo DB, Cloud front, Elastic search, Elastic Beanstalk, Virtual Private Cloud (VPC), Micro Services. Pivotal Cloud Foundry (PCF) |
| **IDE Platforms** | Eclipse, NetBeans, IntelliJ, Spring Tool Suite, Edit plus, Notepad++, TEXT PAD, JBuilder, GitHub, Visual Studio. |
| **Operating system** | Windows, Linux Mint, Unix, Mac. |
| **Bug tracking Tools** | JUnit, JIRA, Curl, Mockito, Selenium, Cucumber, log4j, Junit-Perf, J Mock, Jasmine, Karma. |
| **Build Tools** | Ant, Maven, Gradle, Docker, Kubernetes, OpenShift, Jenkins, CI/CD, Mesos |
| **Web Services** | SOAP, REST, JAX-WS, JAX-RPC, JAX-RS, Microservices. |
| **Messaging Platforms** | Kafka, Rabbit MQ, IBM WebSphere MQ, Active MQ, JMS. |

**Work Experience**

**Client: Prudential Financial, Inc. Newark, NJ         June 2020 - PRESENT**

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

**Responsibilities:**

* Proficient in Java, J2EE, and JSE, specializing in Java 11 development. Involved in Analysis, Design, Development, System Testing and User Acceptance Testing. Followed Agile methodology in the Scrum Cycle model.
* Implemented the functionality using Spring IO / Spring Boot and Hibernate ORM.
* Extensive experience in front-end development using HTML, CSS, and JavaScript within JSP, ensuring a compelling and user-friendly interface.
* Own parts of the system and continuously work to improve them in waterfall model environment.
* Experienced in developing web-based applications using Java/J2EE, Servlets, Struts (Struts, Tag Libraries, and Struts custom validation rules, Tiles), Spring IOC, Spring MVC, Spring AOP, Spring Security, Spring Boot, Spring Web Flow, Spring Data, JDBC, Web Services (SOAP & Restful services) and ORM frameworks like Hibernate.
* Conducted comprehensive reviews of project documentation, including functional specifications, design documents, user manuals, and technical guides, to validate accuracy, clarity, and completeness.
* Led unit testing reviews, verifying that unit tests were effectively designed, documented, and executed to validate individual components and functionalities.
* Collaborated closely with clients to incorporate their feedback and suggestions during documentation and unit testing reviews, ensuring alignment with their expectations and project objectives.
* Oversaw code reviews and laid out necessary changes for system updates.
* Implemented CRUD (Create, Read, Update, Delete) operations using Hibernate, optimizing queries for enhanced performance and minimizing database load.
* Designed and implemented DAO layer using Spring and Hibernate, encapsulating data access logic and promoting modularity and maintainability within the application.
* Proficient in monitoring and analyzing logs from various applications and systems to identify anomalies, errors, and potential performance issues.
* Utilized AWS SDK for Amazon S3 object storage and developed monitoring solutions with AWS CloudWatch and Splunk. Experienced in various AWS Cloud infrastructure services including EC2, VPC, S3, SNS, ECS, SQS, EKS, ELB, IAM, RDS, SES, Route53, CloudWatch, and Elastic Load Balancers.
* Designed & developed UI for customer service modules and reports using Angular 11, HTML, CSS, Bootstrap, JavaScript, jQuery.
* Created controllers, Angular components with Angular CLI.
* Used TypeScript Angular Forms for reactive and template driven.
* Implemented user menu management, bulk attribute updates using Angular, jQuery.
* Built RESTful Node JS and Express API to communicate with AngularJS front-end for faster data transfer.
* Wrote test cases, created specs, page objects and undergone End-to-End testing for whole application using Protractor for AngularJS on Node JS command line.
* Created Services to consume REST API's and to communicate between components using Dependency Injection provided by Angular.
* Developed RESTful APIs with Node.js and seamlessly integrated them with existing Java-based backend systems. Also developed RESTful APIs and implemented contrast-first API design using tools such as Swagger.
* Developed pages using JSF features like converters, validators, ActionListener, custom components.
* Utilized Servlets and JSP's in developing the web application on Apache Tomcat 7
* Published and consumed Web Services using REST and deployed it on WebSphere. Proficient in consuming and producing RESTful webservices using JAX-RS and utilized DOM parser for parsing XML responses from webservices.
* Extensively utilized/modified JQUERY to perform AJAX calls for creating interactive web pages on JSON response.
* Developed the persistent layer using Hibernate framework. Proficient in Hibernate Mappings, HQL, Query, Criteria, Lazy Loading Transactions, Locking, Stored Procedures. Worked on Hibernate Transaction Management, Batch Transactions, and Hibernate DAO for fetching data from databases.
* Performed OAuth 2 protocols for seamless user authentication and authorization.
* Designed and developed efficient Graph QL APIs using Java and related frameworks. Optimized the Graph QL queries, mutations, and subscriptions. Wrote and Implemented unit tests, integration tests for Graph QL API, and integrated secure authentication and authorization with technologies like JWT/OAuth for sensitive data access.
* Utilized UML modeling techniques to design software systems and solutions and developed and maintained UML diagrams.
* Implemented builds and deployments using Maven and Jenkins for continuous integration. Designed and implemented performance test scripts using tools such as JMeter and LoadRunner.
* Created and optimized database schemas using SQL and NoSQL databases Postgres SQL & MongoDB.
* Wrote efficient and optimized NoSQL queries and data manipulation scripts using Java. Integrating NoSQL databases like MongoDB with Java-based web applications using RESTful web services and APIs.

**Environment:** **Java, Spring, Java 11, Golang, Angular 11, JSM, JSP, JSF, Docker, Microservices, Spring MVC 4, MongoDB, hibernate, UML, Kafka, jQuery, Jest, RESTful API, JSON, AJAX, Web Services, SOAP, XML, Spring Batch, Graph QL, OAuth, Spring Boot, PL/SQL, WebSphere, Lambda, JUnit, JMeter, Kubernetes, Docker, GIT, AWS.**

**Company: Northrop Grumman Corporation, Baltimore City County, MD March 2018 - June 2020**

**Role: Java Full stack Developer**

**Responsibilities:**

* Utilized an Agile, Scrum, approach for development of applications using the Java 8 version.
* Utilized Spring AOP and JDBC modules in database applications, leveraging Spring IOC for Hibernate session factory and resolving bean dependencies, resulting in maintainable, scalable, and reusable code in Spring Boot.
* Develop and deploy microservices using Spring Boot or Node.js frameworks. Created Docker images for the microservices and deployed them using Kubernetes. Designed scalable and resilient microservices architectures.
* Developed the UI using Spring framework, jQuery, and Ajax and created screens using React, CSS3, and HTML5.
* Collaborated with teams to translate business requirements into efficient React.JS code.
* Developed components, Forms, Events, Keys, Routers, and Animations for React.JS SPAs. Enhanced React Observables with Redux and React-router.
* Worked with React Native components, Forms, Events, Keys, and Navigation. Designed and refactored React Native components and app navigation using React Navigation for native interactions. Conducted testing on React components using Jest.
* Implemented the project structure based on Spring MVC pattern using Spring boot. Hands on experience Spring Boot Actuator, Spring Cloud and Netflix Eureka.
* Implemented and maintained JavaScript-based APIs for interacting with back-end services and databases, ensuring seamless data integration and synchronization.
* Collaborated with back-end developers to define and implement RESTful APIs and JSON data structures, facilitating smooth communication between front-end and back-end systems.
* Utilized Node.JS to build RESTful APIs and integrated them with React.JS, resulting in a seamless user experience.
* Conducted performance testing and optimization of Graph QL queries to improve response times and reduce unnecessary network traffic and data transfer.
* Developing and implementing a data access layer using Hibernate ORM framework. Mapping Java objects to database tables using Hibernate annotations and XML configurations.
* Developed and maintained Kafka producers, consumers, and Connectors for real-time data ingestion, streaming, and integration. Utilized Java-based libraries like Kafka Streams, Confluent Kafka, and Spring Kafka for diverse data ingestion and processing.
* Designed and implemented databases using MySQL or Oracle, implemented Hibernate DAO layer for Oracle 11g interaction, and executed backup and recovery strategies using Oracle Recovery Manager (RMAN) for data integrity and minimal downtime.
* Tuned SQL queries and performed performance analysis using Oracle tools such as Oracle Enterprise Manager or SQL Tuning Advisor, optimizing query execution plans using Oracle, RabbitMQ & Redis.
* Executed parallel browser testing on various machines using Selenium Grid, performed cross-browser testing, and used Maven as a build tool for deploying the application.
* Proficient in JUnit testing with Mockito and Power Mockito for integration testing, as well as SOAP UI testing.
* Implemented and manages CI/CD pipelines on OpenShift, ensuring high availability and fault tolerance through clustering, load balancing, and failover mechanisms.
* Created and managed CI/CD pipelines using Azure DevOps, Jenkins. Implementing security controls and best practices on Azure.
* Configuring and managing Azure virtual machines and container-based services using Kubernetes and Docker.
* Worked on Version control systems like CVS, Git and configured and maintained source code repositories in Git.

**Environment:** **Java8, Azure, React.JS, Hibernate, Spring, XML, Spring MVC, J2EE, JSM, OAuth, JUnit, Node.JS, Oracle 11g, microservices, Maven, Graph QL, Spring boot, Kafka, Docker, PL/SQL, WebSphere, WebLogic, Redux, UML, Log4J, JavaScript, Git, AJAX, JIRA.**

**Company: NVIDIA Corporation, Santa Clara, California       April 2016 – March 2018**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (**SDLC**) such as requirements gathering, modeling, analysis, design, development, and testing.
* Developed the view-controller components using **JSPs**, **HTML5**, **CSS3**, **AJAX**, **JavaScript (jQuery**).
* Implemented routing logic and navigation from screen to screen and implemented login functionality on the client side in **Angular 6**.
* Building stable React components and stand-alone functions to be added to any future pages.
* Developed the Drag and Drop functionality using React- Drag gable.
* Used React -Auto complete for creating Google map’s location search on the webpage.
* Hands-on experience in developing integration with **Elastic search** in any of the programming languages like **JAVA** and **JavaScript**. Having knowledge of advance reporting using **Elastic search** and **Node JS**.
* Configured **Kafka** to read and write messages from external programs.
* Implemented **core** features of **Angular 6** framework such as dependency Injection, Databinding, Filters, Directives, Templates, Services and Deep Linking Designing.
* Used **Java8** features like stream and **Lambda** expressions.
* Maintained **Interface** compatibility and **concurrency** in the project using **Java 8** new features like default, static methods, and Concurrency API.
* Used **Java 8 Method References** feature to point to methods by their names and used **functional Interfaces.**
* Responsible for creating an instance on **Amazon EC2** (**AWS**) and deploying the application on it.
* Installed, secured, and configured **AWS** cloud servers and **Amazon AWS** virtual servers (Linux).
* Worked on **AWS** services to deploy static websites and dynamic Web Apps on **EC2** using **Elastic Beanstalk** and Elastic Container **Service-Docker and Kubernetes.**
* Involved in creating **EC2** instances and installed required configurations and applications on it and created **S3** buckets for storing object level data into it.
* Used **AWS Cloud Watch** to monitor the application and to store the logging information.
* Used **Spring MVC** framework for implementing **Model-View- Controller (MVC)** architecture at the Web tier.
* Secured the API's by implementing **Oauth2** token-based authentication/authorization scheme using **spring security**.
* Developed the monolithic application and involved in migrating existing monolithic application into **Micro Service Architecture** based **RESTful Service** and deployments were done on **AWS.**
* Designed and developed **Micro Services** business components using **Spring Boot.**
* Developed APIs to read and publish data from **Elastic Search** cluster using native Java Transport client as well as **REST** client. Worked on **Spring** Integration with the **Elastic Search**
* Used **Hibernate** **ORM** **framework** as persistence engine and wrote **Hibernate** **Queries** to automate the mapping between **Oracle** database and **Objects** in **Java**.
* Involved in writing **SQL** and **Stored Procedures** for handling complex queries with help of **TOAD** and accessing them through Java Programs from **Oracle Database**.
* Worked with **MongoDB and Cassandra** to store non-relational data into collection and retrieve them whenever required.
* Focused on **Test** **Driven** **Development** there by creating detailed **JUnit** tests for every single piece of functionality before writing the functionality.
* Performed automation testing and authored test scripts using Selenium Web Driver/ Grid and Junit.
* Worked in **Agile TDD** environment using SDLC tools like **GIT, Jira, Jenkins**, **and Maven** for build packaging and deployments of the application components.

**Environment:**Agile Methodology, Java1.8, HTML5, CSS3, JavaScript, jQuery, Ajax, Angular 6, AWS IAM, EC2, S3, RDS, SQS. Hibernate, Spring, XML, JSP, JAX-RS, Spring AOP, Spring security, Oracle, MongoDB, Cassandra, JSP, React JS, Docker, Kubernetes, GIT, JIRA, PL/SQL, STS, JUnit, Log4J, Maven, Jenkins, Kafka, WebLogic 7.1, WebSphere Application Server.

**Company: Alliant Energy Corporation, Madison, Wisconsin     June 2012-August 2014**

**Role: Java Developer**

**Responsibilities:**

* Contributed to open-source Node.js projects and maintained a strong knowledge of the latest trends and best practices in the Node.js ecosystem.
* Developed UI using Struts view component, JSP, JBoss, HTML, CSS, JavaScript, AJAX, and JSON and created web pages that met W3C standards and Web 2.0 using HTML5, DHTML, XHTML, CSS3, Ajax, JSP, and jQuery.
* Conducted input checks using a combination of regular expression and jQuery Validation Plugin and conducted validations in Angular.JS way while working on newer sub-projects.
* Developed a Hybrid Test Framework using Selenium WebDriver, Maven, and TestNG.
* Implemented Spring JMS to connect to ActiveMQ and interconnect various internal systems. Extensively utilized MVC, Factory, Delegate, and Singleton design patterns.
* Designed and deployed AWS solutions using EC2, S3, RDS, EBS, ELB, and Auto Scaling. Supported Linux OS, AWS, and EC2 clusters for system infrastructure.
* Employed Collection Framework and Multithreading for cache operations, debugged servlets and EJBs utilizing the WebSphere Application Server.
* Utilized MQ to provide a single unifying transport that reduced cost and maintenance efforts, including support for HTTP, REST, and JMS.
* Implemented AJAX using the XML Http Request Object for asynchronous communication.
* Developed a Hybrid Test Framework using Selenium WebDriver, Maven, and TestNG. Conducted tests on Web Services using SOAP UI and composed test suites for operations. Exchanged XML data between applications over HTTP using SOAP for Web Services.
* Collaborated with front-end developers to integrate XSLT-transformed XML data into web applications, ensuring compatibility and adherence to design standards.
* Created Maven scripts and builds using Maven, integrated with Jenkins for continuous integration.

**Environment:** **Core Java/J2EE, Servlets, Java Spring, JSTL, JMS, XML, XSLT, JDBC, AJAX, IBM WebSphere Application Server 8.0, Angular.JS, Node.JS, Oracle 11, WSAD, IBM MQ, HTML, CSS, JavaScript, Eclipse, UML, Windows XP, CVS, JUnit, AWS, Git, Jenkins.**