**SREEDEEP K.**

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## **SUMMARY**

* Extensive experience spanning over **7 years** in the IT industry, focused on web application design, development, analysis, and deployment, specializing in **Java/J2EE** and Client-Server technologies.
* In-depth knowledge of **J2EE** standards and experience with various enterprise technologies including **Servlets, Enterprise JavaBeans (EJB), JMS, JNDI, XML**, and **UML**.
* Expertise in multiple frameworks such as **Spring (Spring MVC, Spring DAO, Spring AOP, Spring JPA, Spring Boot), Hibernate ORM, Struts, Java Server Faces (JSF)**, and GUI frameworks like Tiles for page layouts, complemented by validation tools like the Validator Framework.
* Proficient in Full Stack Development, adept at both front-end and back-end technologies. Skilled in creating dynamic web pages using **Angular 12, React, JSP, HTML5, CSS3, Ajax, JavaScript,** and **jQuery**.
* Proficient in front-end technologies such as **JavaScript, TypeScript, React.js (with Redux and Flux), Angular, Vue.js, HTML5, CSS3,** and **Bootstrap**, ensuring responsive and user-friendly interfaces.
* Demonstrable experience with Core Java concepts, including **object-oriented programming** (OOP), **data structures & algorithms,** collections framework, Swing for GUI, event handling, multithreading, garbage collection, exception handling, generics, I/O operations, and the Java Lang Package.
* Strong experience in database design and development with a thorough understanding of **RDBMS** concepts. Proficient in **SQL, PL/SQL, T-SQL**, and the use of stored procedures, functions, and triggers with **Oracle, PostgreSQL, MySQL**, as well as **NoSQL** databases like **MongoDB** and **Cassandra**.
* In-depth knowledge of cloud services and infrastructure on **AWS** (**including S3, Lambda, SQS, SNS, API Gateway, IAM, DynamoDB, ECS**) and **Microsoft Azure** (**Azure Functions, App Services**, and more), as well as containerization with **Docker** and orchestration with **Kubernetes**.
* Proficient in building and maintaining scalable, event-driven systems using messaging systems like **Kafka, JMS**, and **Amazon SQS**.
* Proven expertise in implementing robust security measures using **OAuth2** and **Spring Security** for secure application access.
* Strong background in setting up **CI/CD** pipelines and version control using tools such as **Git, SourceTree, Jenkins, Maven**, and **Go CD**, enhancing code quality and deployment efficiency.
* Demonstrated capability in containerization and orchestration using **Docker** and **Kubernetes**, facilitating consistent development, delivery, and deployment environments for applications.
* Experience in developing **RESTful web services** such as Microservices using Spring Boot for the customers to consume data.
* Advanced experience with **ELK** Stack(**Elasticsearch, Logstash, Kibana**) for logging and monitoring, as well as testing frameworks like **JUnit, PowerMock, Mockito, Cucumber, Jasmine, Karma**, and **Selenium** to ensure high-quality code delivery.
* Skilled in application logging and monitoring using **Log4J**, adept at implementing customized logging solutions to facilitate efficient troubleshooting and ensuring the maintainability of production environments.
* Well-versed in **Agile** methodologies, actively participating in daily scrum meetings to discuss sprint progress, address technical challenges, and remove blockers.
* Excellent analytical and logical skills complemented by a proven ability to work autonomously or as part of a team, delivering results with minimal supervision.
* Effective communication and organizational skills, facilitating clear and concise interaction within the team and with stakeholders.

**TECHNICAL SKILLS**

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| **Java/J2EE** | Java, JSP, Servlets/Applets, JDBC, JMS, JSTL, JavaBeans, EJB, JPA,  XML Parsers |
| **Web Technologies** | HTML5, XML, JavaScript, AJAX, jQuery, CSS3, Angular, React, Bootstrap |
| **Methodologies** | Agile, Waterfall, TDD |
| **Web/Persistence**  **Frameworks** | Spring (Core, JDBC, AOP, MVC), Spring Boot, Spring Batch,  Hibernate |
| **Web Services** | JX-RS (REST), JAX-WS (SOAP), AWS, Apache CXF. |
| **XML technologies** | XML, SAX, DOM, XSL, XSLT, XPath, WSDL, WADL. |
| **Databases/Tools** | Oracle 11g, SQL Server, DB2, MySQL, Toad, PL/SQL Developer,  MongoDB, Cassandra |
| **Operating Systems** | Windows, Linux, Unix |
| **Build Tools** | Maven, Jenkins, Gradle |
| **IDE** | Eclipse, Visual Studio, Net Beans, RAD, Spring Tool Suite (STS). |
| **Version Control** | Git, SVN |

**PROFESSIONAL EXPERIENCE**

**Client:** US Bank (*July 2023 – Present)*

**Role:** Sr. Full Stack Developer

**Responsibilities**:

* Spearheaded full-cycle software development as a key contributor in all phases of the Software Development Life Cycle (SDLC), from analysis and design to development and testing, ensuring the successful completion of projects.
* Specialized in building Single Page Applications (SPAs) using **React.js** and **Node.js**, leveraging **Redux** for state management, and crafting user interfaces that are compatible across browsers including Mozilla Firefox, Internet Explorer (IE7, IE8, IE9), Safari, and Chrome.
* Expertly employed **React.js** components, forms, events, keys, router, animations, and Flux architecture, enhancing user experience and interface functionality.
* Implemented **Spring Framework** modules such as **Spring Core, Spring AOP, Spring MVC, Spring Batch, Spring Security,** and **Spring Boot** within the microservices architecture.
* Developed robust **RESTful** microservices using Spring Boot and **Spring Data JPA**, adhering to Microservices architecture to create independently deployable services.
* Developed and consumed **REST APIs** using **JAX-RS** facilitating clear communication between front-end developers and API consumers.
* Integrated Microservices frameworks such as **Spring Ribbon** and **Eureka** to enable client-side load balancing and service discovery.
* Collaborated with Spring Cloud Netflix components including **Eureka, Hystrix, Ribbon**, and **Zuul** Proxy to develop robust cloud-based applications.
* Utilized **Spring MVC** to implement the Model-View-Controller architecture, simplifying integration and maintenance through the isolation of application layers.
* Designed and implemented **Kafka** producers and consumers using Spring Boot to publish and subscribe to high-throughput event streams within a distributed Kafka cluster environment.
* Orchestrated complex data flows and stream processing jobs by building Kafka Connectors facilitating seamless data ingestion and export between Kafka and various data systems.
* Actively participated in Kafka cluster capacity planning, performance tuning, and optimization to sustain high-throughput workloads.
* Utilized **Java 17** features, including stream API, lambda expressions, method references, and concurrency enhancements, to optimize application performance and maintain interface compatibility.
* Designed and executed data extraction and loading processes using **Spring Batch**, effectively handling large datasets and integrating with data warehouses.
* Executed complex SQL Queries, PL/SQL Stored Procedures, Triggers, and Packages on Oracle databases, effectively managing data extraction, transformation, and loading processes (ETL).
* Worked with **NoSQL** database technologies, including **MongoDB**, for efficient data access and manipulation at various levels.
* Configured **Spring Security** with **OAuth** Framework to establish access controls based on user roles and annotations, bolstering application security.
* Implemented **Spring AOP** to address cross-cutting concerns such as logging and transaction management.
* Worked with AWS services such as **S3, Lambda, SQS, SNS, API Gateway, IAM, DynamoDB**, and **ECS**, designing serverless architectures and resolving complex technical issues to maintain optimal AWS infrastructure performance.
* Adopted **Spring ORM** with **Hibernate** Template and JPA for object-relational mapping, facilitating seamless database communication and persistence.
* Orchestrated containerized applications using **Kubernetes**, ensuring high availability, Autoscaling, and efficient resource utilization across microservices architectures.
* Collaborated with DevOps teams to optimize Kubernetes cluster configurations for optimal workload distribution.
* Leveraged advanced testing methodologies using **JUnit,** **PowerMock, Mockito**, and **Cucumber** for comprehensive service layer testing, and **Jasmine** and **Karma** for front-end testing.
* Employed **Postman** for API development and testing.
* Established a continuous feedback loop for application performance and user activity through the implementation of the **ELK** Stack (Elasticsearch, Logstash, Kibana) for real-time data indexing, search, and analysis.
* Practiced Agile methodologies, proactively tracking bugs and enhancements through iterative development cycles to drive project progress.
* Utilized **Git/SourceTree** for source code version control, promoting collaboration and code integrity.
* Monitored and mentored team members to adhere to coding standards and guidelines, encouraging the adoption of new tools and technologies.

**Environment:**

Java 17, JavaScript, HTML5, CSS3, Bootstrap, jQuery, React.js, Redux, Flux, Node.js, Spring Boot, Spring MVC, Spring Data JPA, Spring Batch, Spring Security, Spring AOP, Spring Cloud (Netflix OSS - Eureka, Hystrix, Ribbon, Zuul Proxy), Spring ORM, JAX-RS, Kafka, Oracle SQL, PL/SQL, MongoDB, Hibernate Template, JPA, OAuth, Spring Security, AWS (S3, Lambda, SQS, SNS, API Gateway, IAM, DynamoDB, ECS), Kafka, ELK Stack (Elasticsearch, Logstash, Kibana), Git, SourceTree, Postman, JUnit, PowerMock, Mockito, Cucumber, Jasmine, Karma, Scrum.

**Client:** Syngenta (*February 2022 – June 2023*)

**Role:** Full Stack Developer

**Responsibilities:**

* Leveraged **Java 11** features such as lambda expressions, parallel operations on collections, multithreading, and advanced sorting mechanisms to enhance application performance and efficiency.
* Led the development of robust **Spring Framework**-based **RESTful web services**, managing data persistence and crafting responsive solutions using **Spring MVC** to serve the presentation layer.
* Engineered and maintained a microservice architecture using **Spring Boot**, ensuring modularization of code, while implementing and documenting **RESTful APIs** with **Spring REST** and **Swagger**.
* Implemented the **Hibernate** persistence framework, effectively managing transaction control and resource allocation to optimize data operations.
* Spearheaded the integration of Spring and Hibernate, focusing on the development of backend components and services, thereby streamlining the data management pipeline.
* Developed a **ReactJS** application for inventory management, featuring barcode scanning capabilities and integration with backend systems for real-time stock tracking and order fulfillment.
* Leveraged React.js to innovate responsive web interfaces, integrating RESTful services and employing controlled components for comprehensive form validation to ensure user input reliability.
* Crafted and exposed **REST APIs** using the **Express** framework (with **Node.js**), seamlessly syncing with ReactJS for dynamic data binding and frontend updates.
* Designed and executed sophisticated user interfaces employing **HTML5, CSS3, Bootstrap, jQuery, JSON**, and **AJAX**, ensuring cross-browser compatibility and responsive design.
* Contributed to the development of enterprise components, adhering to J2EE principles and implementing core design patterns such as Singleton, Factory, and DAO to structure application logic.
* Optimized application concurrency and performance by leveraging multithreading techniques, incorporating the Singleton pattern within the Hibernate Utility class to ensure thread safety.
* Administered **AWS** services including **S3, Lambda, SQS, SNS**, and **API Gateway**, optimizing cloud infrastructure performance and establishing robust communication protocols between microservices.
* Facilitated the deployment of microservices on **AWS ECS** instances.
* Established and maintained seamless database connectivity via **JDBC**, integrating Hibernate O/R mapping with Spring ORM for Oracle databases, ensuring data integrity and accessibility.
* Developed and optimized data models for distributed systems using **Apache Cassandra**.
* Implemented Cassandra's NoSQL database to manage large-scale and high-velocity data.
* Authored and optimized Oracle database objects such as tables, triggers, PL/SQL Stored Procedures, and complex SQL queries to enhance data processing and reduce server-client traffic.
* Implemented **SOAP**-based web services utilizing WSDL to define service interfaces, guaranteeing reliable data exchange and interoperability across networked systems.
* Provided expert Level 3 (L3) support, swiftly diagnosing and resolving complex technical issues within the AWS ecosystem, minimizing service disruption and maintaining operational excellence.
* Harmonized Hibernate ORM with Spring, leveraging Spring's transaction management APIs to ensure reliable database transactions and data consistency.
* Configured and instituted comprehensive application logging strategies using **Log4J**, enabling detailed monitoring and troubleshooting capabilities.
* Orchestrated continuous integration pipelines with **Jenkins** and managed build processes using **Maven**, ensuring streamlined development workflows and code quality.
* Orchestrated containerized applications using **Kubernetes**, ensuring automated deployment, scaling, and management of containerized workloads.
* Implemented Kubernetes Pods, Services, and Deployments to achieve high availability and fault tolerance for microservices-based architectures.
* Utilized **Git/SourceTree** for meticulous version control, facilitating team collaboration and safeguarding the codebase against inconsistencies and regressions.
* Led code reviews and performance tuning sessions, fostering a culture of code excellence and optimizing application responsiveness and efficiency.
* Championed **Agile** SDLC methodologies, actively engaging in all Agile ceremonies including Scrum meetings, Sprint planning, Sprint grooming, and Retrospective meetings, to deliver high-quality software on schedule.
* Collaborated in daily Scrum meetings, contributing to team synergy and ensuring on-time delivery of quality software deliverables in a fast-paced development environment.

**Environment:**

Java 11, Spring Framework (Spring MVC, Spring Boot, Spring REST), Hibernate, ReactJS, HTML5, CSS3, Bootstrap, jQuery, AJAX, JSON, Swagger, Express framework (with Node.js), Cassandra, Oracle SQL, JDBC, Hibernate ORM with Spring ORM, RESTful Web Services, SOAP with WSDL, AWS (S3, Lambda, SQS, SNS, API Gateway), AWS ECS, Kubernetes, Git, SourceTree, Jenkins, Maven, Log4J, Scrum.

**Client:** Humana (*June 2020 – December 2021*)

**Role:** Java Developer

**Responsibilities:**

* Designed and developed robust microservice solutions using **Spring Boot**, facilitating service orchestration through a blend of **SOAP API** communication, **Kafka** message brokering, and **Amazon SQS** for asynchronous messaging.
* Specialized in **Spring Data** frameworks, namely Spring Data JDBC and Spring Data MongoDB, optimizing data access and manipulation within the application layer.
* Implemented an event-driven architecture, efficiently managing various event types on a unified platform to enhance system responsiveness and scalability.
* Designed and reviewed Single Page Applications (SPAs) utilizing **AngularJS**, particularly for the Administration Dashboard, improving user interface and experience.
* Led the development of a progressive web application (PWA) using Angular, enhancing mobile user experience through responsive design, offline capabilities, and native-like performance.
* Leveraged the Dependency Injection (DI) feature of the **Spring framework** to manage dependencies and wire business class objects effectively.
* Implemented **OAuth2** Authentication Server, securing application interactions and safeguarding sensitive data during client-server communications.
* Created robust **SOAP APIs** using **JAX-WS** for secure, transactional data exchange between enterprise applications.
* Ensured secure communication for SOAP APIs by implementing WS-Security standards, including XML encryption and digital signatures.
* Orchestrated a highly available **MongoDB** NoSQL database cluster, enhancing data storage capabilities and ensuring uninterrupted service availability.
* Utilized Spring Cloud properties to configure and establish reliable database connections, streamlining application configuration management.
* Independently and extensively utilized the **Pentaho ETL** tool during the database migration process, ensuring data integrity and minimizing downtime.
* Engineered cloud-based solutions utilizing **Microsoft Azure** services including **Azure Functions, App Services**, and **Azure SQL**, delivering scalable and secure applications.
* Proficient in developing and deploying AWS-centric workflows using **AWS Code Build, AWS Code Commit, AWS Code Pipeline, AWS Lambda**, and **API Gateway**, optimizing the CI/CD pipeline.
* Provided expert-level support for AWS infrastructure, troubleshooting complex technical challenges to ensure system reliability and peak performance.
* Authored XML function SQL queries to retrieve data for migration processes, ensuring seamless data extraction and transformation.
* Maintained project documentation and issue tracking using tools like Wiki and Rally, facilitating clear communication and organized project management.
* Optimized system resource utilization by installing **Couchbase** servers atop **Docker** containers, enhancing system efficiency.
* Implemented **Continuous Integration** and **Continuous Deployment** (**CI/CD**) strategies, establishing automated pipelines for building, deploying, and testing microservices across various Pivotal Cloud Foundry (PCF) environments.
* Integrated **Go CD** pipelines with **Git** repositories to trigger automated builds upon code commits, reinforcing development best practices.
* Wrote intricate SQL queries, stored procedures, and modified existing Oracle database structures to accommodate new feature additions and requirements.
* Participated in the design of automated test suites using **Java** with **Selenium** and **Cucumber** frameworks, ensuring high coverage and robustness of application test cases.
* Utilized **Splunk** for in-depth log analysis and operational intelligence, enabling proactive monitoring and quick issue resolution.
* Developed and maintained **Swagger API** documentation for microservices, providing clear and concise service definitions for end users.
* Crafted unit test cases focused on validating business scenarios tied to each use case sequence.

**Environment:**

Java, Spring Boot, Kafka, Amazon SQS, Event-Driven Systems, Spring Data JDBC, Spring Data MongoDB, AngularJS, Spring Framework Dependency Injection (DI), OAuth2 Authentication, MongoDB, Azure SQL, Oracle SQL, Pentaho ETL, Microsoft Azure (Azure Functions, App Services), AWS (Code Build, Code Commit, Code Pipeline, Lambda, API Gateway), Docker, Jenkins, Go CD, Git, Selenium, Cucumber, Splunk, Swagger API.

**Client:** Capgemini (*October 2017 – May 2020*)

**Role:** Java Developer

**Responsibilities:**

* Spearheaded full-stack development projects, from gathering requirements and designing solutions to hands-on implementation, leveraging extensive knowledge of Java 11 and J2EE technologies.
* Employed Agile/Scrum software development methodologies to deliver high quality software iteratively and efficiently.
* Engineered robust web applications utilizing **Java, Java Message Service (JMS)**, and **Java Servlets**, adhering to the MVC design pattern for maintainable code.
* Implemented Java Message Service (JMS) for the asynchronous communication of vital information, such as loan status updates.
* Engineered and deployed critical Java components that interfaced Java Servlets with LDAP servers.
* Collaborated in the development and implementation of request validation mechanisms utilizing the Java XML Validation API
* Mastered **Spring Framework**, including **Spring MVC, Spring Web Flow**, and **Spring Boot**, to build scalable microservices and web applications.
* Utilized Spring Framework's Bean Factory for advanced object management, employing Inversion of Control (IOC) and Aspect-Oriented Programming (AOP) techniques to modularize cross-cutting concerns.
* Implemented **Spring AOP** for cross-cutting concerns such as logging and user session validation.
* Pioneered the use of **Hibernate** with JPA annotations for ORM, streamlining database operations and persistency management.
* Developed and maintained responsive Single Page Applications (SPAs) using **Angular** and **Vue.js**.
* Skilled in front-end UI development using **JavaScript, HTML5, CSS, Bootstrap**, and **TypeScript**, creating reusable components and services to consume **REST APIs** using component-based architecture provided by Angular.
* Worked on developing new UI modules using Angular. Worked on end-to-end implementation on models, type scripts, and calling REST-based services from Angular.
* Developed dynamic **AJAX**-driven web applications leveraging **jQuery**.
* Expertise in cloud-based infrastructure management with **AWS CLI, YAML**, and **CloudFormation**, and proficient in deploying serverless solutions for optimized scalability.
* Utilized **Docker** for containerization, facilitating consistent and efficient deployment of microservices.
* Designed and implemented **SQL** and **PL/SQL** queries, stored procedures, triggers, and packages for Oracle database, and executed database migrations, including migrating from legacy systems to **MongoDB**.
* Led integration, debugging, and testing of modules, and coordinated with cross-functional Ops and QA teams for UAT, ensuring smooth deployment cycles.
* Utilized **SVN** (Subversion) for source code management.
* Managed build processes and dependencies using Maven.

**Environment:**

Java, J2EE, JavaScript, TypeScript, Java Message Service (JMS), Java Servlets, Java XML Validation API, Agile/Scrum, Spring Framework (Spring MVC, Spring Web Flow, Spring Boot), Hibernate with JPA annotations, Angular, Vue.js, HTML5, CSS, Bootstrap, jQuery, Oracle SQL, PL/SQL, MongoDB, AWS (AWS CLI, YAML, CloudFormation), Docker, Maven, SVN, AJAX, REST API.