**AISHWARYA MAROJU**

**Sr. Java Full Stack Developer**

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**PROFESSIONAL SUMMARY**

* Expertise in analyzing, designing, developing, testing, and deploying Web and Enterprise Applications using **Java/J2EE** technologies.
* Highly expertise in building Restful Web API with **Spring, Spring Boot**, and testing APIs using Postman.
* Extensively worked on **Spring JDBC, Spring Hibernate ORM, Docker containers, and JPA**.
* Experience in producing and consuming Web Services technologies like **Restful (JAX-RS), SOAP (JAX-WS), JAX-RPC and JAXR (Java API for XML Registries).**
* Highly expertise in building and developing Web and Enterprise applications using technologies **like JDBC, Servlets, Web Sockets, JSP, EJB, Java Server Faces (JSF), Java Persistence API (JPA), JNDI and JMS.**
* **Proficient on implementation of frameworks like Struts, spring, JSF, AJAX frameworks (Rich Faces, My Faces) and ORM frameworks like Hibernate.**
* Proficient in React for building dynamic user interfaces and working with **Docker containers and Kubernetes** for containerization and deployment.
* Expertise in designing and implementing scalable and secure **EC2, ECS, S3, EMR, VPC, VPN, Lambda, IAM, Load Balancing**, optimizing system performance, and driving cost-effective solutions.
* Expert in **Azure cloud technologies VM’s, AKS, ACI, CDN** Proficient in designing and implementing scalable Azure solutions, optimizing application performance, and ensuring secure, cost-effective cloud environments.
* Strong programming abilities in web-based technologies such as Spring Boot for the design and implementation of multi-tier systems, as well as proficiency with Spring Core features like Annotations, Configurations, and Dependency Injection.
* Expertise in designing and implementing RESTful APIs using **Node.js**, including authentication, authorization, and data validation.
* Engineered custom Camel components to encapsulate complex business logic, enhancing the reusability of integration patterns and reducing development time by 25%.
* Experience in Installing, Configuring, Deploying, and maintaining Application and web Servers such as Oracle Web Logic, Red Hat, JBoss Enterprise Application platform (EAP), Apache Tomcat Server, IBM Web Sphere.
* Have used **Apache Camel, Apache CXF, Apache Kafka, RabbitMQ, Service Mix and JBoss** Fuse Enterprise Service Bus (ESB) for integrating and deploying the applications.
* Experience in Developing Application using frameworks Spring Dependency Injection (DI), IOC, Aspect oriented Programming (AOP), Instrumentation, Integration, Security, Boot, Struts, IBatis and Hibernate.
* Good expertise in Core Java Such as OOPs, Collections, Exceptions Handling, Input/output (I/O) System, Swing, Annotations, Enums, Concurrency, Multi-Threading, Lambda and Generics.
* Knowledge and proficiency with the **Factory, Observer, Singleton, Prototype, and Facade Design Patterns**.
* experience with HTML5, CSS3 for designing and creating interactive front-end applications.
* Experience **with Angular, React, Backbone.js, Express.js, Bootstrap, Node.js**, and JavaScript in the design and development of dynamic, user-interactive websites.
* Experienced in using JAVA Spring JPA with Hibernate to integration MySQL, or SQL Server into back-end web applications and performing CRUD and aggregation operations on a database.
* Developed backend logic using **Core Java, Micro services, REST API** including Collections and multithreading involved in writing backend Packages extensively in PLSQL.
* Actively involved in all phases of the Software Development Life Cycle (**SDLC**), working in a development environment based on Agile methodologies, and attending SCRUM and spring/iterations meetings.
* Experience with major relational databases **- Oracle 9i, 10g, SQL Server,Postgre SQL, DB2, and My SQL.**
* Proficiency with Continuous Deployment (**CD**) tools such as Elastic cloud and Continuous Integration (**CI**) tools like **Jenkins, Hudson, Travis, and Bamboo**.
* A great deal of expertise creating UML modeling diagrams, including class, sequence, and use case diagrams.
* Possessing excellent interpersonal skills, the capacity to work both individually and collaboratively, and the ability to pick things up fast and adjust to new situations with ease in the workplace.
* Has experience working with clients and resolving issues with the application environment. Ability to communicate well with individuals at all levels, including senior management, internal teams, and stakeholders.

**EDUCATION**

Bachelors in Computer Science and Engineering, Jawaharlal Nehru Technological University, India. May, 2012

**TECHNICAL SKILLS**

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| --- | --- |
| **Programming** | Java 8, Java 11, Python, Java script, SQL, PL/SQL |
| **Java Frameworks** | Spring, Spring Cloud, Spring MVC, Spring Web, DI, Spring AOP, GWT, Spring Boot, Spring Batch, Spring Security, Spring Data, Struts 1.2, Struts 2.1. |
| **Scripting Languages** | JavaScript, Type Script, Bash, Perl, UNIX Shell Script |
| **Web Development** | jQuery, Dojo, Ext JS, Angular 14/11, JavaScript, CSS2, CSS3, HTML4, HTML5, Node.JS, Angular 16, React, Express JS |
| **Databases** | Oracle, MySQL, MongoDB, Dynamo DB, SSIS Server, DB2, Cassandra and MS Access 2000 |
| **Cloud Technologies** | AWS (EC2, S3, Lambda, EKS, ECS, AWS code Pipeline, EFS, IAM) Azure (VMs, AKS, ACI, Azure Functions, Storage (File, Blob, Table), CDN, VPN), Terraform |
| **Version Control** | Git, Tortoise SVN, Rational ClearCase, GitHub, CVS |
| **Tools** | IntelliJ, V S Code, MySQL Workbench, Eclipse3.0, Net Beans5.0, Dream weaver 2000, Tableau, JUnit, J meter, Maven, Gradle. |
| **Build Tools** | Maven, Gradle, ANT |
| **DevOps Tools** | Jenkins, GitHub, GitLab, Docker, Kubernetes, Splunk Cloud, |
| **XML Technologies** | XSLT, JAXP, JDOM, SAX, DOM, XPATH, XPOINTER, XML, XSD, DTD |
| **Web Services Tools** | RESTful, JAX-RS, JAX-WS, JAX-B, Apache CFX, WSDL, SoapUI 4.0,5.1, UDDI |
| **Message Brokers** | Apache Kafka, Amazon Kinesis, RabbitMQ, Apache Active MQ |
| **Web Servers** | JBoss, WebLogic, Web Sphere, Glassfish, Oracle WebLogic 10.x/9.x, IBM WebSphere 8.x/6.x, Apache Tomcat 8.0/7.x/6.x. |
| **Methodologies** | Agile (XP, Scrum), Rational Unified Process (RUP), Waterfall, Kanban |

**WORK EXPERIENCE:**

**Client: Barclays, Whippany, NJ July 2022 – Present**

**Role: Sr Java Full Stack Developer**

**Responsibilities:**

* Proficient in AGILE methodology (SCRUM) for efficient project management, including requirements gathering, analysis, design, development, and testing.
* Experienced in Test-driven development (TDD) and Agile estimation and planning to ensure high-quality code and effective project timelines.
* Skilled in various reporting frameworks such as Jasper Reports, Crystal Reports, and BIRT for generating comprehensive reports and dashboards.
* Strong understanding and in depth working with GraphQL concepts and its benefits and utilized them for building API’s.
* Strong expertise in Java and J2EE development, including Java 17 version, object-oriented programming (OOPS), and advanced features like Lambdas, Streams, Observables, and Completable Futures.
* Developed AWS S3 to copy project artifact into S3 bucket.
* Employed best practices for securing Tomcat installations, including SSL certificate setup, user authentication, and access control.
* Experienced in setting up, configuring, and managing Kafka clusters, including cluster sizing, deployment, and monitoring.
* Experienced OPA that allows you to write policies as code. Policies are expressed in a high-level declarative language called Rego.
* Used OPA which provides a unified and consistent way to enforce policies across different parts of your software stack, such as microservices, APIs, and more.
* Extensive knowledge of the Spring framework, including Spring AOP, Spring core, Spring JDBC, Spring batch, and Spring MVC, as well as dependency injection and legacy application migration.
* Proficient in frontend technologies like Ext JS and **Angular 14,** utilizing the Angular http module, Restful web services, and Modern Driven forms for building interactive user interfaces.
* Proficient in testing Angular applications using testing frameworks such as Jasmine and Karma.
* Skilled in HTML5, CSS3, Media Queries, and Bootstrap for responsive web design, along with JavaScript for DOM manipulation.
* Implemented Core Java concepts like Multithreading, Concurrency, Exception Handling and Collections wherever necessary in the application
* Integrated Open stack API with Amazon EC2 cloud-based architecture in AWS
* Proficient in writing unit tests for GraphQL APIs using frameworks like JUnit or Mockito
* non-relational data efficiently, allowing for flexible and scalable data storage.
* Designed and implemented NoSQL data models in MongoDB, ensuring that the database schema aligns with the application's data requirements.
* Proficient in optimizing MongoDB queries and aggregations for improved performance, allowing for quick access to data for various features and functionalities.
* Implemented MongoDB replication for data redundancy and sharding for horizontal scaling to handle large volumes of data effectively.
* Successfully migrated data from existing data sources to MongoDB, ensuring seamless data transfer and compatibility with the new data storage solution.
* Strong understanding of Hibernate and its various components, including HQL, Hibernate Criteria, and Hibernate Caching, for efficient data access and manipulation.
* Implemented responsive and dynamic user interfaces utilizing Angular 14 CLI and Angular 14 Material components. Utilizing Angular 14, integrated with RESTful services written in Java, which increased customer engagement by 40% through an improved user interface and user experience.
* Developed CI/CD system with Jenkins on Kubernetes environment, utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, Test and Deploy.
* Utilized advanced Java 17 features including Local-Variable Type Inference, Sealed Classes, New String Methods, and more to enhance code quality and maintainability.
* Knowledgeable in core Java concepts such as multithreading, exception handling, and the Collection Framework.
* Expertise in developing microservices using Spring Boot, along with unit testing using JUnit and mocking using Mockito.
* Proficient in containerization technologies like Docker, and REST Microservices for scalable deployment.
* Integrated GraphQL with backend systems and databases, allowing seamless data exchange and integration.
* Implemented data loaders and caching strategies to optimize GraphQL API performance and minimize redundant data fetching.
* Proficient in using Core Java such as OOPs, Collections, Generics, Exception Handling, etc.
* Collaborated with frontend developers to design and implement GraphQL queries and mutations, ensuring efficient and precise data retrieval for client applications.
* Skilled in AWS services, including RDS, EC2, IAM, Simple Storage Services (S3), SNS, Elastic Beanstalk, VPC, and CloudWatch, as well as Amazon Lambda for serverless computing.
* Integrated Lambda functions with AWS event sources like Amazon S3, Amazon DynamoDB, AWS API Gateway, AWS SNS, and AWS CloudWatch Events.
* Implemented IAM roles and policies to control access to AWS resources for Lambda functions.
* Created deployment packages and used AWS SAM (Serverless Application Model) or the Serverless Framework to manage Lambda deployments.
* Integrated AWS Lambda functions into serverless architectures using frameworks like AWS Serverless Application Model (SAM) or the Serverless Framework.
* Developed Python scripts to automate routine administrative tasks, such as database backups, log rotations, and system health checks, reducing manual intervention by 50%.
* Implemented Python-based data extraction and transformation scripts to integrate with third-party APIs, ensuring seamless data flow into the system.
* Designed Python scripts for automated testing of web services, improving the test coverage and reliability of the application.
* Created Python tools for data validation and cleansing, ensuring high-quality data input into MongoDB and other databases.
* Deployed and managed Spark clusters on cloud platforms like AWS EMR and Azure HDInsight, scaling resources dynamically based on workload demands to optimize costs.
* Wrote and maintained PySpark scripts to perform data cleansing, aggregation, and transformation tasks, making data ready for downstream analytics and reporting.
* Monitored and troubleshot Spark applications using tools like Spark UI and Ganglia, ensuring efficient resource utilization and identifying performance bottlenecks.
* Integrated Python with AWS Lambda for serverless execution of data processing tasks, improving scalability and reducing operational costs.
* Stayed up-to-date with AWS Lambda best practices and incorporated them into application design and development.
* Designed and optimized data warehouses in Google BigQuery, enabling fast and efficient querying of large datasets for analytics and reporting.
* Developed complex SQL queries and views in BigQuery to aggregate, transform, and analyze multi-terabyte datasets, resulting in actionable insights for business decision-making.
* Implemented ETL processes using BigQuery, automating the ingestion and transformation of data from various sources, including cloud storage, APIs, and relational databases.
* Familiar with container orchestration using Kubernetes and API testing using POSTMAN.
* Experienced in WebSocket communication using Spring WebSocket for real-time data transfer.
* Proficient in Jenkins, Git, and Maven for continuous integration and version control, along with JIRA Issue Tracker for efficient project tracking and collaboration.
* Ability to unit test Java 17 applications using JUnit or TestNG.
* Skilled in Power Apps for building customized applications, Apache log4j for logging and SonarQube/SonarLint for code quality analysis.
* Designed and implemented Terraform configurations to define and deploy cloud resources, including virtual machines, storage, networking, and security components.
* Experienced in following Agile/Scrum methodology to ensure effective project management and delivery.

**Environment:** Java 17, JSP, Core Java, Tomcat, Servlets, Spring, Angular 14, GraphQL Hibernate, XML Web service, SOAP, JAX-WS, Unix, JavaScript, JQuery, XML, XSLT, Eclipse IDE, AJAX, JavaScript, JDBC, Windows XP, JUnit4, Log4j, CSS, Query DSL, SQL, PL/SQL, MongoDB, HTML, Bootstrap, JSON, Elastic Search, H2 and Oracle Database, AWS lambda, Junit, Mockito, UNIX, WebSphere, Jetty, Jenkins, GIT, Log4j, SonarQube/SonarLint, Postman, HTTP4E, JFrog.

**Client: Walmart, Dallas, TX April 2021 – June 2022**

**Role: Sr Java Full Stack Developer**

 **Responsibilities:**

* Developed RESTful APIs and services using Spring Boot and Spring MVC, implementing core e-commerce functionalities such as product catalog management, order processing, and user authentication.
* Designed and implemented database schemas using MongoDB , ensuring efficient data storage, retrieval, and scalability for e-commerce applications.
* Implemented authentication and authorization mechanisms using Spring Security, ensuring secure access control and protection of sensitive customer data in e-commerce transactions.
* Integrated e-commerce applications with AWS cloud services such as EC2, S3, and RDS for scalable infrastructure, storage, and database management in a cloud-native environment.
* Developed responsive and interactive user interfaces for e-commerce applications using React framework, HTML5, CSS3, and JavaScript, ensuring a modern and intuitive shopping experience for customers.
* Developed reusable React components using TypeScript, ensuring type safety and static type checking throughout the development process.
* Utilized React hooks such as useState, useEffect, useContext, and useRef with TypeScript to manage component state, side effects, context, and references. Ensured type inference and type annotations for hook dependencies and return types.
* Implemented type-safe unit tests and integration tests for React components using Jest and React Testing Library with TypeScript.
* Implemented CI/CD pipelines using Jenkins for automated build, test, and deployment processes of e-commerce applications, ensuring rapid and reliable delivery of new features and updates.
* Utilized RabbitMQ as a messaging platform for asynchronous communication between microservices and components in e-commerce application, enabling scalable and resilient message processing.
* Integrated Spring Batch for batch processing tasks such as inventory updates, order processing, and data synchronization in the e-commerce platform. Implemented batch jobs for data extraction, transformation, and loading (ETL) using Spring Batch features.
* Leveraged RabbitMQ for asynchronous messaging between backend microservices in the e-commerce platform. Implemented message producers and consumers using Spring AMQP to decouple components and handle high message throughput.
* Conducted in-depth analysis of large datasets using Snowflake data warehousing platform.
* Implemented data pipelines and optimized queries to improve performance and efficiency.
* Collaborated with cross-functional teams to develop data models and provide actionable insights for business decision-making.
* Utilized Snowflake's features for data integration, transformation, and visualization.
* Configured EC2 instance types, sizes, and security groups based on workload requirements and performance considerations.
* Stored product images, videos, and documents securely in S3 buckets, enabling efficient content delivery and management.
* Configured Amazon CloudWatch to monitor EC2 instances, ECS clusters, and S3 buckets for resource utilization, performance metrics, and operational insights.
* Utilized Lambda functions for data processing, image resizing, and background tasks triggered by S3 events or API Gateway requests.
* Developed RESTful APIs using Spring MVC for exposing e-commerce services to frontend clients and external systems. Implemented resource endpoints for CRUD operations on product catalog, customer profiles, and shopping carts.
* Integrated Spring Data MongoDB to connect Java applications with MongoDB NoSQL database. Utilized Spring Data repositories and MongoDB templates for CRUD operations, query execution, and pagination in e-commerce data access layer.
* Developed ETL pipelines using Apache Spark to process large volumes of data from various sources, improving processing times by 30%.
* Designed and implemented data transformations to cleanse and standardize incoming data, ensuring accuracy and consistency.
* Utilized Spark SQL for complex data manipulations and aggregation tasks, optimizing query performance.
* Collaborated with cross-functional teams to understand business requirements and translate them into scalable data solutions
* Optimized application performance using caching strategies, asynchronous processing, and load balancing techniques, ensuring responsive and high-performance e-commerce platforms for customers.
* Integrated monitoring and logging solutions with AWS CloudWatch and Elasticsearch/Logstash/Kibana (ELK) stack to monitor application performance, detect issues, and troubleshoot errors in real-time.
* Documented and tested backend APIs and services using tools like Swagger or Postman, ensuring API documentation completeness and accuracy and verifying backend-frontend integration in e-commerce applications.

**Environment:** Java 11, React 16, Type Script, Spring Repositories, Mongo DB, Rabbit MQ, Web Sphere, RAD, XML, JSON, DOM, XML SAX, Apache Camel, Web Services, Maven, AWS EC2, AWS S3, AWS Lambda, HTML, Web Services, WSDL, SOAP, REST API, Java Script, Jenkins, AWS Cloud Watch, Postman, ELK, Swagger, Jira, Linux.

**Client: Sprint, Overland Park, KS Sep 2019 to Mar 2021**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Designed and implemented scalable, robust applications using Java 11 technologies for various telecommunications services, enhancing system efficiency and user satisfaction. Developed dynamic, responsive user interfaces for web applications utilizing HTML, CSS, JavaScript, and Angular 8, improving client engagement and usability.
* Utilized Java 11 along with Spring, Spring IOC, Spring MVC, and Spring Cloud to build robust backend services. Developed microservices for various operations to ensure high performance and scalability. Leveraged JavaScript and Angular 8 for creating responsive and intuitive frontend interfaces.
* Implemented RESTful API services, facilitating seamless integration between frontend and backend systems and promoting interoperability. Utilized Spring MVC for creating REST endpoints, enabling smooth data exchange and integration.
* Collaborated with cross-functional teams following Agile methodologies (Scrum and Kanban) to efficiently deliver projects and meet deadlines. Used Asana for project management and team collaboration, ensuring tasks were completed in alignment with project goals and timelines.
* Utilized GitHub for version control, facilitating effective team collaboration and efficient code management. Applied security measures, including JWT, to secure web applications against unauthorized access.
* Managed retail data using Oracle DB, implementing complex SQL queries for data retrieval, updates, and transaction management. Employed JTA for managing transactions across multiple resources, enhancing application reliability in distributed environments.
* Employed SonarQube for continuous inspection of code quality. Configured and managed application deployment on Apache Tomcat and Azure cloud platforms, ensuring high availability and scalability.
* Integrated Angular 8 applications with Java-based RESTful services, facilitating seamless data exchange and synchronization between the server and client-side, improving the efficiency of customer service operations. Enhanced application security by implementing Angular 8 built-in security features, such as sanitization and security contexts.
* Integrated JMS to facilitate asynchronous communication and system decoupling, improving message handling and Karma, and Cucumber, ensuring code reliability and application functionality.
* Utilized Postman and Swagger for comprehensive API testing and documentation, making APIs more understandable and usable. Implemented continuous integration and deployment (CI/CD) pipelines with Jenkins, enhancing development efficiency and code quality.
* Developed high-performance telecom applications using Java 11, Spring Boot for backend services, and Angular 8 for frontend interfaces, leading to a 20% improvement in data processing speeds and enhancing customer experience on web platforms. Implemented real-time communication features in Java 11 for VoIP applications, significantly reducing latency.
* Utilized Oracle DB's robust transaction management features to handle high volumes of concurrent transactions during peak retail periods. Implemented Oracle DB's strong security features, including data encryption and access controls, to secure customer payment information and transactions. Established comprehensive disaster recovery and data backup strategies using Oracle DB to ensure business continuity.
* Developed scalable and high-performance applications using Scala, leveraging its functional programming features to build robust and maintainable systems.
* Implemented distributed data processing solutions with Apache Spark and Scala, handling large-scale data transformations and analytics with high efficiency.
* Designed and built RESTful APIs using Scala frameworks such as Play and Akka HTTP, providing reliable and scalable services for web and mobile applications.
* Designed and deployed microservices using Java 11 and Docker in a cloud environment, which improved system scalability and reliability by 30% and supported the growing demand for telecom services. Automated network configuration and management tasks using Java-based tools, reducing manual intervention by 40% and minimizing human errors in network setups.
* Monitored applications and services using SLF4j, enabling effective troubleshooting and issue resolution. Exploited Oracle DB's scalability options to dynamically adjust database resources in response to fluctuating demands of the application.
* Explored and implemented solutions using Spring Cloud for building microservices-based architectures, contributing to modernization efforts.
* Used Swagger for effective API documentation, facilitating easier integration and understanding for external developers and clients.

**Environment**: Java 11, JavaScript, spring, JTA, Spring IOC, Spring MVC, Spring Cloud, HTML, CSS, Oracle DB, Angular 8, RESTful API, JMS, Apache Tomcat, Scrum and Kanban, JUnit, Mockito, Jasmine, Karma, Cucumber, GitHub, Eclipse, Azure, Jenkins CI/CD pipeline, JWT, Asana, SLF4j, SonarQube, Postman, Swagger.

**Client: TransAmerica, NY June 2018 - Aug 2019**

**Role: Java Developer**

**Responsibilities:**

* Led the design and implementation of scalable, robust microservices using Java 11, Spring Boot, and Hibernate, focusing on creating flexible, loosely coupled services for various retail operations, such as inventory management, customer service, and order processing.
* Developed dynamic, responsive user interfaces with HTML5, CSS3, React JS, and Redux, ensuring cross-browser compatibility and optimal user experience. Utilized TypeScript and SASS for writing scalable and maintainable JavaScript code.
* Championed Agile development methodologies, leading sprint planning, daily stand-ups, and retrospectives to ensure project alignment with business objectives and timely delivery of features. Managed project tasks and workflows using JIRA, ensuring clear communication of project status, priorities, and dependencies across the team and stakeholders.
* Utilized JavaScript along with frameworks like React JS and Redux to develop interactive and dynamic user interface. Implemented advanced JavaScript features, including ES6+ syntax and asynchronous programming with promises and async/await, to handle complex frontend functionalities.
* Developed critical backend components and services in Java 11, leveraging advanced features of the Java language and J2EE framework to ensure high-performance, secure, and scalable solutions.
* Enhanced User Interface Interactivity with jQuery and Bootstrap played a critical role in the project by providing a comprehensive framework for developing responsive and mobile-first web pages.
* Implemented RESTful API services using Java 11, Spring MVC, and JSTL, facilitating efficient communication between the front-end and back-end systems, and enabling seamless integration with third-party services.
* Implemented Docker and Kubernetes for microservice deployment and management, enhancing the system's reliability and fault tolerance. Orchestrated containerized environments using Docker and Kubernetes to automate deployment, scaling, and management of application containers.
* using Java 11, Spring MVC, and Hibernate, leading to a 30% increase in online sales and enhancing the shopping experience for customers. Seamlessly integrated with Java-based RESTful services, resulting in a 40% improvement in web page load times and user engagement.
* Collaborated with UX/UI designers to create React components, ensuring consistency with brand guidelines and providing a seamless shopping experience across all digital touchpoints. Integrated React applications with Java-based RESTful APIs, enabling secure and scalable data exchange between the server and client-side, facilitating smoother transactions and user interactions.
* Automated the order processing workflow with Java 11 and Spring Boot, reducing manual processing errors by 90% and increasing order fulfillment speed by 60%. Led the adoption of microservices architecture for breaking down the monolithic Java application into manageable services, improving deployment times by 70% and facilitating easier updates and maintenance.
* Developed and maintained user-friendly e-commerce platforms using React for the front end, resulting in a 30% increase in user engagement and a 20% uptick in online sales. Led the migration of legacy frontend systems to React, enhancing application responsiveness and speed, which contributed to a 25% improvement in customer satisfaction scores.
* Implemented secure payment processing systems using Java 11 and Spring Security, adhering to PCI DSS standards, which minimized fraud incidents and secured customer transactions. Optimized Java application performance by integrating caching mechanisms and fine-tuning JVM settings, achieving a 50% reduction in server response times during peak traffic periods.
* Adopted Test-Driven Development (TDD) methodologies, utilizing JUnit and Mockito for backend testing, Karma and Jasmine for front-end testing. Integrated Sonar Lint and Swagger for code quality checks and API documentation.
* Enforced secure coding practices and integrated OAuth for secure API access to reduce vulnerabilities. Applied AWS security best practices for application and data protection, including the use of IAM roles, security groups, and encryption services to safeguard sensitive customer data.
* Configured and managed AWS services, including EC2, S3, ECS, and DynamoDB, for hosting, storage, and database services, optimizing costs and enhancing application scalability and availability.
* Implemented Log4j for customized logging formats that complied with security and data privacy regulations. By enabling the exclusion of sensitive information from logs and supporting secure log storage mechanisms, Log4j played a pivotal role in ensuring that the application met industry compliance standards, safeguarding customer data and maintaining trust.
* Leveraged AWS Lambda which allows you to quickly develop and deploy both frontend and backend components of your retail domain project. Implemented Continuous Integration/Continuous Deployment (CI/CD) pipelines using Jenkins and GitHub, streamlining the development process, and enabling the rapid deployment of new features and bug fixes.
* Integrated AWS Lambda provides native support for Amazon DynamoDB, For MySQL, although it's not a native AWS service like DynamoDB. Integrated AWS Lambda with the Amazon RDS Proxy or direct connections to manage MySQL databases. Enables real-time processing by triggering Lambda functions based on DynamoDB Streams or MySQL data changes.
* Implemented AWS Lambda can be easily integrated with other AWS services, such as Amazon DynamoDB for NoSQL database services, Amazon S3 for storage, and Amazon API Gateway for creating RESTful APIs.
* Used Maven automated the inclusion of libraries and frameworks such as Spring, Hibernate, and JUnit, eliminating the need for manual updates and reducing the risk of conflicts. Maven plugins were configured to handle specific tasks like code quality analysis, database migrations, and deployment to application servers like Apache Tomcat, enhancing the efficiency and reliability of the development process.
* Developed a customer feedback and review system with Java 11 and Spring MVC, enhancing product pages with user-generated content and boosting customer trust and sales by 25%. Collaborated with cross-functional teams to define and implement Java-based APIs for third-party integrations.
* Leveraged Scala alongside Apache Kafka to implement efficient, real-time streaming data pipelines, enabling the rapid processing. The use of Scala significantly increased the throughput and scalability of data processing tasks.
* Designed and implemented Kafka-based messaging systems to enable real-time data processing and integration across microservices, enhancing system responsiveness and scalability.
* Migrated existing Java codebases to Kotlin, resulting in reduced code verbosity, improved readability, and a 20% decrease in the number of lines of code.
* Utilized Kotlin’s coroutines to implement asynchronous programming, enabling responsive user interfaces and efficient background processing in mobile applications.
* Built RESTful APIs and backend services using Kotlin with frameworks like Ktor and Spring Boot, providing scalable and high-performance solutions for web and mobile applications.
* Utilized JSP and JSTL for the efficient management of content presentation and data formatting across application, significantly reducing the development effort required for displaying dynamic data.
* Collaborated closely with product managers, UX/UI designers, and business analysts to understand customer needs and market trends, translating them into functional and technical requirements.

**Environment:** JAVA 8, JSP, Servlets, EJB, Spring, JavaScript, Hibernate, UML, jQuery, Struts, Design Patterns, HTML5, CSS3, XML, Eclipse, Apache, Oracle ECM, Struts, Web service, SOAP, AWS, LDAP, Microservices, Oracle BPM, JSF, WSDL, Apache CXF, Apache Axis2, Apache Tomcat Server, SOA, Oracle10g, UML, Web logic, Junit, Cassandra, RabbitMQ, React.js, MySQL

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**Client: WNS Global Services, Bengaluru, India Oct 2012-Dec 2016**

**Role: Java Developer**

**Responsibilities:**

* Developed backend services and APIs using Java 8 and Spring Framework.
* Implemented business logic, data processing, and integration with external systems using Spring features such as dependency injection, AOP, and transaction management.
* Designed and implemented the database schema using relational database Oracle.
* Integrated backend services with the database using JDBC or ORM frameworks like Hibernate for data persistence and retrieval.
* Designed and implemented RESTful APIs for communication between frontend and backend systems.
* Defined resource endpoints, request/response formats, and HTTP methods using frameworks like Spring MVC or JAX-RS.
* Implemented authentication and authorization mechanisms to secure backend APIs and resources.
* Utilized technologies such as Spring Security or Apache Shiro to enforce access control policies and protect sensitive data.
* Used the lightweight container of the Spring MVC Framework to provide architectural flexibility for inversion of controller (IOC). Involved in the complete Software Development Life Cycle (SDLC) phases such as Requirement Analysis, Design and Implementation of the project.
* Used Spring Framework for dependency injection. Implemented and deployed several EJB (Session and Entity).
* The front end of the project is designed on MVC architecture using struts and Tiles frameworks.
* Involved in Configuring tiles-def.xml, web.xml and struts-config.xml according to the strut framework.
* Used Web Sphere Application Server for deploying various components of application.
* EJB’s were running under the hood of Web Sphere container/server.
* Used Hibernate in persistence layer and developed POJO's, Data Access Object to handle database operations.
* Expertise in developing reusable and interoperable Web service modules based on microservices, SOA architecture using SOAP and RESTful and Preparation of Java and JSP coding standard checklist.
* SOAP has been used as a protocol to Communicate in the form of XML messages.
* Implementing or exposing the Microservices to base on RESTful API utilizing Spring Boot with Spring MVC.
* Used Hibernate Transaction Management, Hibernate Batch Transactions, and Hibernate cache concepts.
* Developed Struts Action Forms, Action classes and performed action mapping using Struts.
* Developed and optimized web applications using Java Servlets, effectively managing server-side logic, handling HTTP requests and responses, and ensuring smooth communication between the web front end and databases. This role involved implementing servlets filters and listeners to enhance application functionality and performance, leading to a 20% improvement in server response times and a more robust web application architecture.
* Implemented Back-office loan services and web applications using Session Façade, Service Locator, Data Access Objects, Business Delegate, MVC, Front Controller and Data Transfer Object design patterns.
* Created DB2 SQL Procedures, Functions & Stored Procedures, Nested Tables, Cursors, DB2 Packages, Reports & SQL Functions for Reports.
* Developed batch processing jobs for data synchronization, ETL (Extract, Transform, Load), or report generation tasks.
* Used technologies like Spring Batch for defining batch jobs, processing data in chunks, and managing job scheduling.
* Integrated backend systems with third-party APIs, services, or legacy systems using messaging protocols or web services.
* Involved in setting up Maven’s configuration and helping Continuous Integration (CI) Issues.
* Managed connectivity using JDBC for querying/inserting & data management including triggers and stored procedures.
* Developed various DAOs for handling business logic and data manipulations from database.
* Designed cascading style sheets and XML part of Order Entry Module & Product Search Module and did client-side validations with java script.
* Used Web Storm for development in the front end and used Subversion as version control system and Tortoise client for SVN.
* Configured the Struts configuration file and Application context file based on the spring and Hibernate entries.
* Wrote JUNIT Test cases for Spring Controllers and Web Service Clients in Service Layer.
* Deployed, configure and administer application servers such as IBM WebSphere, WebLogic, JBoss, JAX-WS, Glassfish and Apache Tomcat.
* Implemented message queues, ESB (Enterprise Service Bus), or RESTful clients to facilitate communication and data exchange.
* Used logging frameworks like Log4j or SLF4J to log diagnostic information and monitor application health.
* Utilized testing frameworks such as JUnit for Java to create and execute unit tests automatically.
* Used frameworks like Spring Test for testing Spring components and configurations in an integrated environment.
* Used mocking frameworks like Mockito to create mock objects and stub responses for external dependencies.

**Environment**: Java 1.8, .NET framework, ASP.NET, Web storm, Spring Boot, Spring IOC, Spring AOP, JSP, Junit, OAuth, Spring ORM, JavaScript, XMI, Maven, IBM WebSphere, Web Logic, Hibernate, Junit, JSP2.0, Servlets2.4, EJB2.0, Struts1.2, Spring 2.0.3, JDBC3.0, Design patterns, Log4j, Ant, Web services, RAD6.0, IBM Web Sphere server6.1, IBM DB29.0, VSS, SVN