Name: **Aditya Reddy Borra**.

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

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**TECHNICAL PROFICIENY:**

* **Core Java and Object-Oriented Principles*:*** Exceptionally proficient in **Core Java**, demonstrating a mastery of key concepts such as **Object-Oriented Principles (OOP),** multi-threading, data structures, collections, and robust exception handling. My expertise extends to seamlessly translating these theoretical principles into practical solutions, ensuring efficient and scalable **Java applications.**
* **Front-End Development:** Developed dynamic and visually appealing web pages using a rich set of Front-End UI technologies. Proficient in **HTML, XHTML, CSS, JSTL, JSF, AJAX, JavaScript, AngularJS, BOOTSTRAP, Node JS,** and **jQuery.** Demonstrated expertise extends to **HTML5, CSS3/4, jQuery, JSON, Ajax,** and a variety of **Angular versions (AngularJS, Angular 14/10/9/6/4)**. Additionally, hands-on experience with **Vue.js, React.js,** and **Backbone.js** ensures versatility in front-end development.
* **Back-End Development:** Proficient in **Core Java (Java 17)** with expertise in advanced features like **lambda expressions** and **Time API**. Specialised in building **Microservices applications** using **Spring Boot** for RESTful web services. Extensive experience in **Spring 5.x framework modules** for robust back-end development. Executes web-based GUI architecture, focusing on **Single Page Applications (SPA)** with **AngularJS, backbone.js,** and **Node.js**. Proficient in server-side technologies like **NodeJS and ExpressJS**, enhancing user experience. Utilises **Bootstrap, Tag Libraries**, and **JSTL** for effective and responsive back-end development.
* **Frameworks and Tools:** Expertise in **Spring Framework (IOC, MVC, AOP, DAO, Security), Hibernate,** and various front-end frameworks **(React.JS, Bootstrap)**. Proficient in utilising IDEs like **Eclipse, IntelliJ, NetBeans, and RAD**. Extensive work with **Maven** for project builds.
* **DevOps and Cloud Expertise:** Implemented robust continuous integration processes using **Jenkins,** ensuring automated builds and streamlined deployment pipelines for enhanced project efficiency. Demonstrated proficiency in **AWS**, deploying projects on **EC2 instances,** utilising services such as **S3 for storage**, and employing **CloudWatch** for monitoring.Leveraged **Docker** for efficient containerization, promoting consistency across environments. Familiarity with **Kubernetes** and exposure to **Google Cloud Platform (GCP)** expertise in container orchestration and diverse cloud environments.
* **Microservices and Web Services:** Implemented **microservices** using **Spring Boot** and developed **RESTful** and **SOAP web services**. Experience in building and consuming web services, including **SOAP, RESTful, JAX-WS, JAX-RS,** and frameworks like **CXF and JERSEY.**
* **Database Technologies:** Proficient in working with both **RDBMS (Oracle, MySQL, PostgreSQL)** and **NoSQL databases (MongoDB, Cassandra)**. Hands-on experience in **SQL, PL/SQL** programming, and database operations using tools like **SQL Developer and Toad.**
* **Version Control:** Proficient in **GIT, GitHub, Tortoise SVN,** and **Visual Source Safe** for effective source code management. Ensures clean version histories, manages branching, and resolves conflicts for collaboration. Adheres to best practices, including meaningful commit messages and code reviews.
* **Testing and Logging:** Extensive experience in various testing phases, including unit testing, integration testing, and system testing. Proficient in using testing frameworks like **JUnit, TestNG, Mockito,** and **Selenium**. Configured **log4j 2** for extensive logging and debugging.
* **API Management and API Monitoring with Apigee**: Designed and developed **API proxies** using **Apigee Edge** to expose and manage backend services, ensuring secure, scalable, and performant **API endpoints**. Set up custom dashboards and alerts to track API metrics and diagnose issues proactively, resulting in improved reliability and **responsiveness of the APIs.** Employing tools such as **Prometheus, Grafana** to monitor and improve system performance.
* **Methodologies and Collaboration:** Well-versed in **Agile, Scrum,** and **Waterfall methodologies.** Collaborative team player effective time management, leadership qualities, and a commitment to delivering high-quality outputs.

**Professional Summary:**

With a rich background encompassing over **9+ years** of diversified experience, I specialize in **full-stack development**, particularly focusing on cutting-edge **Object-Oriented Java technologies** and embracing **Agile methodologies**. My expertise covers the entire **Software Development Life Cycle (SDLC)**, showcasing a profound understanding of **Front-End UI technologies** such as **HTML5**, **CSS3**, **jQuery**, and **AngularJS**. Leveraging the power of **Java 17**, I bring forth a comprehensive skill set that extends beyond the basics, incorporating **Core Java** proficiency, adept **multithreading** capabilities, and robust **exception handling**. This underscores my commitment to crafting applications that are not just functional but also **efficient** and **scalable**.

My skill set further extends to crafting scalable **server-side solutions** utilizing the **Spring Framework** and **J2EE**. I am well-versed in designing resilient **Microservices**, seamlessly integrating them into advanced **front-end technologies** like **Angular** and **React JS**. The practical application of **CI/CD practices**, coupled with my expertise in managing **cloud operations** across platforms like **AWS** and **Google Cloud Platform**, highlights my significant contributions to comprehensive end-to-end development lifecycles.

As a seasoned professional, my success narrative unfolds in the development of **Microservices applications**, leveraging the prowess of **Spring Boot** for **RESTful web services**. My proficiency extends to **Back-End technologies**, where I specialize in implementing **web-based GUI architecture** with **AngularJS** and **Node.js**. The repertoire includes designing robust **Web Service platforms** grounded in **REST** and **SOAP** principles, complemented by hands-on experience in **data processing concepts**, **AWS**, and adept usage of **build automation tools**. With an unwavering commitment to crafting engaging user experiences and a dedicated pursuit of continuous learning, I am poised to make substantial contributions to the realm of **high-quality software solutions** while optimizing project workflows.

**Technical Skills:**

|  |  |
| --- | --- |
| Languages | C, C++, Java 11,17, J2EE, SQL and PL/SQL, JavaScript, Python. |
| Mark-up/XML Technologies | HTML5, CSS3/4, Bootstrap, JavaScript, jQuery, AJAX, Angular 14/10/9/8/6, NodeJS, XML, XSD, XSL/XSLT, SAX/DOM, and JSON. |
| Tools & Framework | Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Security, Spring Boot, JUnit, SOAP UI, Postman, hive, Scala Google Web Toolkit, Spark, MapReduce, Apache Flink, Apache Flume, Flink, Puppet. |
| Build Automation | ANT, MAVEN, Jenkins, Jerker, and Gradle. |
| Web services | SOAP, RESTful, UDDI, WSDL, JAX-RPC, JAX-RS, JAX-WS, JAX-B, Microservices, Apache Axis, Bash scripting, and Apache CFX. |
| Cloud Technologies | Amazon Web Services, Microsoft Azure, Pivotal Cloud Foundry, OpenShift, Spring Cloud, EC2, RDS, S3, RDS, EBS, Elastic Load Balancer, Lambda. |
| Web/App Servers | Web Sphere, Apache Tomcat, JBOSS, Web Logic Server, and Apache Camel |
| Databases | Oracle, MS SQL-Server, MySQL, Cassandra, IBM DB2, NoSQL DB like MongoDB. |
| IDE tools | Eclipse, Net beans, Spring Tool Suite (STS) and IntelliJ IDEA, RAD, Web logic, Maven build |
| Testing Tools/Others | Selenium, Jest, Enzyme, JUnit, TOAD, Soap UI, Putty, Rational ClearQuest, RTC, and Mockito, Apigee. |
| Version Control | Tortoise Git, GitHub, SVN, CVS, Rational Clear Case, and Git. |
| OS & Environment | Windows, Sun Solaris, UNIX |

**Professional Experience:**

Client: Ford Motors – Michigan June 2021 - Present

Role: Sr.Java Full Stack Developer

**Project Overview:**

In my role as a Senior Full Stack Java Developer at Ford Motors, I revolutionized customer experiences in Retail and Commercial segments through software-enabled subscriptions. In Integration Services, I contributed significantly to non-vehicle software solutions, leveraging Java frameworks, SQL/NoSQL databases, AWS, and CI/CD tools. With a proven track record, I am committed to driving innovation and delivering excellence in user-centric solutions for Ford Motors.

**Responsibilities:**

* **Java Development:** Actively involved in **Java 17** development, applying advanced features like **lambda expressions, streams,** and **functional interfaces** to build scalable and efficient applications. Proficient in the **Spring Framework**, specialising in **Spring Boot, Spring MVC,** and **Spring Security,** contributing to the creation of robust backend systems.
* **Cloud Computing and Deployment:** Proficient in cloud computing with expertise in **AWS**, **Python** and **GCP** ensuring high availability and scalability. Implemented **ALFA systems** on AWS Cloud, configuring software to meet **business needs**. Collaborated with stakeholders to gather requirements and translate them into effective configurations. Conducted thorough testing and provided ongoing support for optimal system performance. Documented deployment processes and best practices for knowledge transfer and future enhancements.
* **Frontend Development:** Leveraging **ReactJS** to create dynamic, responsive, and interactive user interfaces, my focus is on delivering engaging experiences. Proficient in crafting **single-page applications (SPAs)** that offer seamless interactions for end-users. Skilled in containerization using **Docker, orchestration with Kubernetes,** and implementing **CI/CD pipelines** through **Jenkins and Git** for streamlined releases. Familiar with **Azure DevOps, Azure services**, and security best practices for comprehensive cloud solutions.
* Main technologies include **ReactJS, JSX, HTML5, CSS3, JavaScript, Node.js,** and **Express.js,** ensuring a modern and user-friendly frontend.
* **Backend Integration:** Ensuring smooth integration between the frontend and backend, I specialise in connecting the dynamic interfaces developed with **ReactJS to robust backend services**. Proficient in utilising technologies such as **RESTful APIs, Node.js,** and **Express.js,** ensuring effective communication between the frontend and server-side components. This integration approach guarantees a cohesive and efficient user experience across the entire application.
* **Testing and Development Practices:** Committed to **Test-Driven** and **Behaviour-Driven Development (BDD)** methodologies, supported by comprehensive unit testing using JUnit and Mockito. Ensuring high-quality code, minimising bugs, and enhancing overall software quality. Proficient in testing frameworks, including **JUnit and Mockito**.
* **BFF Microservices Framework:** Developed and implemented **backend-for-frontend (BFF)** microservices using the framework, enhancing scalability and modularity of frontend applications. Leveraged **BFF architecture to streamline communication** between frontend clients and backend services, optimizing performance and user experience.
* **Database Management:** Handling diverse databases, including **Oracle, SQL, MySQL,** and **MongoDB**. Experience in **migrating from a monolithic to a microservices** **architecture**, improving efficiency, understanding, development, and testing. Proficient in database technologies such as Oracle, SQL, MySQL, and MongoDB.
* **Middleware Development Experience:** Proficient in developing middleware solutions **using TIBCO suite, including Business Works CE and Enterprise Messaging Service**. Skilled in writing complex processes, **web services, REST services, and APIs in TIBCO Business Works.**
* **Code Version Control:** Expertise in version control systems like **Git, GitHub, SVN, CVS**, and **Rational Clear Case**. Ensuring efficient collaboration, code integrity, and version history management. Proficient in utilising version control tools to streamline development processes.
* **Monitoring and Performance Optimization:** Utilising **Prometheus, Grafana** for monitoring and optimising performance. Providing real-time into application health, enabling proactive issue resolution. Proficient in monitoring tools and performance optimization strategies.
* **Adobe Experience Manager (AEM):** Developed and customized **Adobe Experience Manager (AEM)** components, templates, and workflows to support content management and publishing requirements. Implemented **AEM solutions** for web content authoring, digital asset management, and personalization, enhancing user engagement and brand consistency.
* **Development Methodologies**: Worked extensively with **Waterfall, RUP, Agile Extreme Programming (XP),** and **SCRUM methodologies.** Adaptable to different development methodologies, ensuring successful project delivery.
* **API Management and API Monitoring with Apigee**: Designing and developing **API proxies** to ensure secure, scalable endpoints. Implemented **authentication, authorization, rate limiting, and traffic management features**. Utilized **Apigee's monitoring** and analytics for real-time insights into API usage, performance, and health, optimizing design and decision-making for continuous improvement.

**Achievements:**

* **Application Scalability Enhancement**: Championed the adoption of **Java 17** advanced features, such as **lambda expressions** and **functional interfaces,** optimising application scalability. Implemented these features in **Spring Boot, Spring MVC**, and **Spring Security**, resulting in the creation of robust and high-performing backend systems. This initiative modernised the development stack, enhancing application responsiveness and resource efficiency.
* **Streamlined Deployment Processes:** Revamped the deployment process by leveraging **AWS, Docker, and Kubernetes** for high availability. Integrated **CI/CD pipelines** with **Jenkins and Git**, leading to streamlined release cycles and a significant boost in team productivity. This transformation reduced time-to-market for new features, ensuring **swift** and reliable software releases.
* **Seamless Frontend and Backend Integration:** Showcased expertise in **ReactJS** for dynamic frontend development and effective integration with robust backend services. Specialised in connecting **ReactJS** interfaces to backend systems using **RESTful APIs, Node.js,** and **Express.js,** ensuring a cohesive and efficient application. This achievement underscores the ability to bridge the gap between frontend and backend development, contributing to a holistic and user-friendly application architecture.

**Environments:** Java 17, Spring Framework, Spring Boot, AWS, Docker, Kubernetes, Jenkins, Git, ReactJS, JSX, HTML5, CSS3, JavaScript, Node.js, Express.js, RESTful APIs, JUnit, Mockito, Oracle, SQL, MySQL, MongoDB, Git, GitHub, SVN, CVS, Rational Clear Case, Prometheus, Grafana, ELK Stack, Waterfall, RUP, Agile XP, SCRUM, Windows, Sun Solaris, UNIX.

Client: Albertsons - Pleasanton, CA July 2019 - May 2021

Role: Java Full Stack Developer

**Project Overview:**

As a Java Full Stack Developer at Albertsons, I led the development of an innovative digital shopping platform, integrating a responsive web application using Java, Spring Boot, and Angular in a microservices architecture on Azure. Employing technologies like Cassandra and RabbitMQ, and implementing CI/CD pipelines, we created a robust system, enhancing online shopping and boosting digital engagement. My end-to-end involvement, from concept to deployment, highlights my commitment to driving technological excellence and customer satisfaction.

**Responsibilities:**

* **Software Development Life Cycle (SDLC) Involvement**: Engaged in various stages of **SDLC**, including requirements gathering, modelling, analysis, design, development, and testing.
* **Front-End Development:** Developed view-controller components using **HTML5, CSS3, jQuery, AJAX, JSP, Express JS,** and **JavaScript.** Implemented routing logic and client-side login functionality in **Angular 10**, incorporating core features of the framework such as dependency injection, formatting, filters, directives, templates, services, and deep linking design. Designed and developed Micro Services business components using **Spring Boot,** with responsibility for creating and deploying instances on **Amazon EC2 (AWS).**
* **Backend Integration**: Utilized **Apollo's caching mechanisms** to optimize data retrieval and improve application performance for end-users. Conducted debugging and troubleshooting of **GraphQL queries** and **mutations,** ensuring data accuracy and reliability within the application ecosystem. Collaborated with backend developers to **integrate Apollo GraphQL** seamlessly with existing data sources and backend services, facilitating efficient data fetching and manipulation.
* **Cloud Server Configuration:** Diligently installed, secured, and configured **AWS,** **Python** and **Microsoft Azure cloud servers**, including virtual servers adeptly hosted on Linux. Leveraged AWS services for deploying both static websites and dynamic web apps on **EC2**, skilfully orchestrating **Elastic Beanstalk** and **Elastic Container Service-Docker**. Expertly designed **Azure Virtual Network**, seamlessly implementing VPNs, Vnet peering, and Network Security Groups.
* **Rules and Workflow Integration:** Led the charge in integrating the **Drools Business Logic Integration Platform**, establishing a unified framework for rules, workflow, and event processing. Demonstrated authority in creating agile and efficient business processes by seamlessly integrating rule-based decision-making into the application's workflow.
* **Adobe Experience Manager (AEM):** Collaborated with content authors, designers, and stakeholders to define requirements and deliver **AEM-based solutions that meet business objectives and user needs**. Conducted training sessions and provided technical support to empower users in utilizing **AEM functionalities** effectively, ensuring successful adoption and maintenance of the platform.
* **Data Processing and Integration:** Developed **Flink pipelines** for streaming data processing from **Kafka,** applying business logic for data transformation. Designed RESTful-based services for independent data retrieval, using **JAX-RS** in a Spring-based project.
* Orchestrated end-to-end business processes spanning across Microsoft productivity tools and enterprise applications for enhanced collaboration and productivity. Worked on **XML** and **JSON** for data transfer between applications, alongside the development of Micro Services business components using **Spring Boot**.
* **Containerization and Deployment:** Demonstrated proficiency in containerization by constructing **Docker** images with **Packer**, orchestrating seamless deployment using **Kubernetes, Docker Packer Builder,** and **Ansible.** Adeptly streamlined application deployment processes, ensuring scalability, resource efficiency, and optimal performance in varied environments.
* **Database Management:** Demonstrated prowess with relational databases **(MySQL, Oracle, PostgreSQL)** and **NoSQL databases (MongoDB, Cassandra).** Successfully developed Java applications deployed on **OpenShift clusters**, strategically leveraging **Spring AOP for crosscutting concerns**. Employed **Spring Batch** for large-scale data processing, including transaction management and logging.
* **Monitoring and Enhancing Performance:** Employing **ELK Stack** for monitoring and improving performance. Offering real-time insights into the application's health, facilitating proactive issue resolution. Skilled in utilising monitoring tools and devising strategies to optimise performance. Experienced in developing adapters using **TIBCO Business** Works to integrate diverse systems and applications. Actively engaged in development and analysis tasks within the broader **ESB/SOA team**, contributing to the enhancement of enterprise integration solutions.
* **Security and Authentication:** Pioneering **OAuth 2.0 token-based authentication /authorization with Spring Security**, ensuring robust API security and safeguarding sensitive data. Implemented cutting-edge measures to fortify authentication mechanisms and enhance overall system security.
* **Microservices Development:** Developed **Restful Microservices** using **Spring Rest and MVC** for OSS services. Employed **Hibernate ORM** for persistence and **Apache Kafka** as a message broker.
* **Build Automation and Continuous Integration:** Utilised **Maven** for build automation, **Jenkins** for continuous integration/continuous delivery, and **SonarQube** for code refactoring. Coded REST Microservices using **Spring Cloud, Oracle, XSD, JSON, Spring Config,** and **Jenkins**.
* **Testing and Automation:** Conducted automation testing and authored test scripts using **Selenium Web Driver, Selenium Grid, and JUnit.** Worked in an Agile TDD environment using SDLC tools such as **GIT, Jira, Jenkins, and Maven.**

**Achievements:**

* **End-to-End SDLC Excellence:** Guided projects through the complete Software Development Life Cycle (SDLC), ensuring a comprehensive involvement from requirements gathering to efficient project deliveries.
* **Innovative Cloud Server Configuration:** Diligently configured AWS and Microsoft Azure cloud servers, implementing cutting-edge deployment strategies for high availability and scalability.

**Environments:** HTML5, CSS3, jQuery, AJAX, JSP, JavaScript, Angular 10, AWS, Azure, Drools, Flink, Kafka, JAX-RS, XML, JSON, Spring Boot, Docker, Kubernetes, Packer, Ansible, MySQL, Oracle, PostgreSQL, MongoDB, Spring AOP, Spring Batch, OAuth 2.0, Spring Security, Hibernate ORM, Apache Kafka, Maven, Jenkins, SonarQube, Spring Rest, Spring MVC, Spring Cloud, XSD, Selenium Web Driver, Selenium Grid, JUnit, GIT, Jira.

Client: Nationwide Mutual Insurance Company - Columbus, Ohio October 2017 - June 2019

Role: Java Full Stack Developer

**Project Overview:**

As a Full Stack Java Developer at Nationwide Mutual Insurance Company, I enhanced customer experiences by developing software solutions for effective retirement planning. Utilizing Java frameworks, I played a key role in creating an online application that streamlined reconciliation processes for plan sponsors. This application provided a comprehensive view of each step and facilitated user-friendly maintenance of critical database tables, aligning with Nationwide's commitment to innovative solutions in the insurance sector.

**Responsibilities:**

* **Application Lifecycle Management:** Led the entire lifecycle of application design, development, and deployment, actively engaging in **Test Driven Development (TDD)** within an **Agile Software Development framework**.
* **User Interface Enhancement:** Revamped the existing UI with **HTML5, CSS, JavaScript, jQuery, and Ajax,** incorporating **AngularJS** for enhanced interactivity. Designed and developed a custom, single-page, responsive web application using AngularJS, implementing custom directives, Factories, and Services, along with an **AngularJS Controller** for isolated scopes.
* **Web Service Development:** Created **Rest API** for writing XML documents from a database, leveraging **XML and XSL Transformation** for dynamic web content and database connectivity. Utilised various **Spring technologies** in application design, implementing **Spring Security** for improved authentication. Developed **SOAP-based JAX-WS Web Service interfaces** for system integration and code reusability. Implemented Restful Web services secured with **Spring-Security OAuth-2.0**, incorporating **WS-Security** using **XWSS** to ensure web service security.
* **Cloud Infrastructure and Microservices:** Used **AWS SDK, Python** for connecting to **Amazon S3 buckets and EC2**, deploying on **Docker Container with Microservices architecture.** Developed **AWS Lambda Functions** in a stateless style, ensuring no affinity between compute infrastructure and managing servers in AWS. Refactored existing monolithic applications into Microservices architecture with Spring Boot-based services interacting through REST and **AWS API gateway.** Implemented Microservices to ensure scalability on cloud infrastructure. Installed, secured, and configured AWS cloud servers and virtual servers using **Spring Cloud for AWS.**
* **Persistence Layer and Database Management:** Developed the persistence layer using **Hibernate Framework**, creating **POJO objects**, and mapping using Hibernate annotations, along with **Transaction Management.** Worked on **MongoDB database concepts** such as locking, transactions, indexes, Sharding, replication, and schema design. Extensively used **JSON** for parsing data from the server side to meet business requirements.
* **Testing and Quality Assurance:** Developed unit and integration tests for existing microservices using **JUnit, Mockito,** and **Docker environments.** Installed and configured **Maven** for application builds and deployment. Configured and customised logs using **Log4J**, utilising **GIT** as a version control too**l.**
* **Project Management and CI/CD:** Utilised **JIRA** for issue assignment, tracking, reporting, and auditing in the application. Set up the **CI/CD process for the application using Jenkins.**
* **Monitoring and Enhancing Performance:** Leveraging **Splunk** for monitoring and fine-tuning performance.
* **Microservices Development and Integration**: Developed **Restful Microservices** using **Spring Rest and MVC for OSS services**. Employed **Hibernate ORM for persistence** and **Apache Kafka as a message broker.** Integrated seamlessly with other components to ensure smooth interoperability and system coherence.
* **Data Processing and Integration Techniques:** Implemented **Flink pipelines** for streaming data processing from **Kafka, applying business logic for data transformation**. Designed **RESTful-based services** for independent data retrieval, utilising **JAX-RS** in a **Spring-based project**. Worked extensively on **XML and JSON** for seamless data transfer between applications.

**Achievements:**

* **Microservices Migration and Scalability:** Led successful migration to Microservices architecture with Spring Boot and AWS. Implemented AWS Lambda Functions and Docker for enhanced scalability. Resulted in reduced downtime and improved system scalability.
* **Security Enhancement:** Implemented advanced security measures using Spring Security and OAuth 2.0. Integrated WS-Security for fortified web service security. Improved overall application security and data protection.
* **Agile Development and CI/CD:** Implemented Test-Driven Development (TDD) in an Agile framework. Established efficient CI/CD pipeline with Jenkins, Maven, and Git. Reduced time-to-market and enhanced development productivity.

**Environments:** HTML5, CSS, JavaScript, jQuery, Ajax, AngularJS, Rest API, XML, XSL, Spring technologies, Spring Security, SOAP-based JAX-WS Web Service, Restful Web services, Spring-Security OAuth-2.0, Microservices, AWS SDK, Amazon S3, EC2, Docker Container, Hibernate Framework, MongoDB, JSON, JUnit, GIT, Jenkins.

Client: Citi bank - New York February 2016 - September 2017

Role: Java Developer

**Project Overview:**

As a Java Developer at Citi Bank, I spearheaded the evolution of customer experiences in financial services. My role within the Development team was pivotal in refining the front-end interfaces of the comprehensive financial platform. Utilizing Java and JEE in an MVC architecture, I contributed to the enhancement of loan approval interfaces, ensuring seamless user interactions. My focus on responsive design and intuitive user interfaces facilitated an innovative and user-centric approach, driving excellence in financial solutions for Citi Bank.

**Responsibilities:**

* **Software Development Lifecycle (SDLC) Involvement:** Involved in gathering and analysing requirements, design, Interface Implementation, testing, and maintenance.
* **System Design and UML Modelling:** Created use case diagrams, sequence diagrams, and preliminary class diagrams for the system using **UML.**
* **Persistence Layer Development:** Designed and developed the persistence layer using the **Hibernate framework.**
* **Front-End Development:** Designed and developed front view components using **JSP, HTML, and CSS.** Developed reusable utility classes in **core Java** for validation, used across all modules.
* **UI Navigation with Struts MVC:** Developed UI navigation using **Struts MVC architecture (JSP, JSF tiles, JSTL, Custom Tags).** Created JSF components for the presentation layer.
* **Business Logic Implementation:** Developed Java classes for implementing business logics using **EJB 3.0 (Stateless session, entity, message-driven beans).**
* **Struts Configuration and XML Transformation:** Configured **struts-config.xml** and created the action servlet mapping for navigation. Wrote code to transform **XML documents** using **JAXP (SAX and DOM Parsers)**.
* **Application Deployment:** Deployed the application on the **Tomcat server**. Built scripts using **ANT** for code compilation, **pre-compiling JSPs,** creating an **EAR file,** and deploying the application on the application server.
* **Database Configuration and Testing:** Configured and tested the application with the **Oracle 10g database.** Helped in database design and tuning, including the creation of stored procedures and views.
* **Logging and Testing:** Used **log4j t**o log all error messages of the application along with debugging purposes. Wrote test cases and performed unit testing using **Junit.**
* **Source Control and Version Control:** Managed source control and version control using **SVN**.

**Achievements:**

* **System Design Excellence:** Played a pivotal role in system design by creating comprehensive use case diagrams, sequence diagrams, and preliminary class diagrams using **UML**, enhancing the overall understanding of the application's architecture.
* **Seamless Front-End Development:** Led the development of the front-end components, utilising **JSP, HTML,** and **CSS**, and introducing reusable utility classes in **core Java** for validation across all modules. This initiative significantly improved the maintainability and efficiency of the user interface.

**Environments:** Java, UML, Hibernate, JSP, HTML, CSS, Core Java, Struts MVC, JSF, EJB 3.0, XML, JAXP, Tomcat, ANT, AJAX, JavaScript, Oracle 10g, log4j, Junit, SVN.

Client: Knowx Innovations Pvt Ltd April 2014 – May 2015

Role: Java Developer

**Project Overview:**

In my capacity as a Junior Java Developer at Knowx Innovations, I spearheaded the development of web applications, with a primary focus on the Spring MVC architecture. Key responsibilities included the implementation of advanced logging, utilization of IOC design patterns, and the development and testing of REST web services using Spring MVC. This role showcased a combination of technical expertise and innovative problem-solving to enhance software systems and deliver outstanding results for clients.

**Responsibilities:**

* **Spring MVC Architecture:** Led the development of web applications in MVC architecture using the Spring framework, fostering a modular and scalable design for enhanced future scalability.
* **Advanced Logging with Spring AOP:** Implemented sophisticated logging mechanisms using the Spring Framework's AOP module, providing crucial insights into application performance and operational status for proactive issue resolution.
* **IOC Design Pattern Utilization:** Utilized the Spring MVC Framework's IOC design pattern to engineer application components, ensuring a clean separation between application configuration, dependency management, and core application logic.
* **RESTful Web Services Development:** Developed and rigorously tested REST web services using Spring MVC, significantly improving data retrieval processes from the database and enhancing API web services' reliability.
* **SOA and RESTful Integration:** Demonstrated expertise in Service Oriented Architecture (SOA) by developing and consuming RESTful web services with JAX-RS and Jersey, streamlining data interchange and application integration processes.
* **Web Service Client Development:** Developed critical functionality web service clients using JAX-WS 2.0 and Apache Axis 2, facilitating secure and efficient external data interactions.
* **SOAP Web Services Creation and Testing:** Created and conducted exhaustive testing on SOAP-based web services using JAX-WS, ensuring high reliability and compatibility across different platforms and services.
* **Comprehensive REST Services Testing:** Employed tools like Google Chrome’s POSTMAN plugin for meticulous testing of REST services, ensuring their robustness and reliability in production environments.
* **JUnit Testing:** Implemented JUnit to construct detailed test cases, thoroughly validating all business rules and application code to ensure software quality and dependability.
* **Hibernate-Based Project Setup:** Oversaw the project's initial setup, adopting a Spring-Hibernate design approach to offer enterprise-level solutions with optimal data management and persistence.
* **UI Development and Enhancement:** Developed and enhanced the user interface using technologies like HTML, JSF, jQuery, and JavaScript, integrating Ajax for improved interactivity and crafting custom CSS sheets to elevate the overall user experience.

**Achievements:**

* **Improved Application Modularity:** Enhanced the application's modularity by effectively utilizing Spring MVC architecture, setting a high standard for design efficiency and scalability in future projects.
* **Excellence in Quality Assurance:** Demonstrated a commitment to better software quality through the implementation of comprehensive testing strategies, resulting in a significant reduction of post-deployment issues by more than 40%.

**Environments:** Java, Spring Framework, AOP, IOC Design Pattern, REST, JAX-RS, Jersey, JAX-WS, Apache Axis, Google Chrome's POSTMAN plugin, JUnit, Spring-Hibernate, HTML, JSF, jQuery, JavaScript, Ajax, and Custom CSS for comprehensive development, testing, and UI enhancement.