**JHANVITHA BATHULA**

**Sr. Java Full Stack Developer**

**Mail**: jhanvithabathula555@gmail.com / Jacob@allied-tec.com

**Mobile**: (469)-545-0255 / (956) 306-0024

**PROFESSIONAL SUMMARY**

As a seasoned Java Full Stack Developer with over a 10 years of experience in multiple industries, including Financial, Health, State, and Retail sectors. I have honed my skills in various aspects of IT, programming languages, from the foundational C and Java to the modern Python and Scala.

* My proficiency extends across the **Java/**J2EE spectrum, encompassing everything from **Core Java** essentials to intricate frameworks like Spring and Hibernate.
* I have mastered the intricacies of web technologies, boasting fluency in **HTML**, **CSS**, **JavaScript**, and more, ensuring seamless experiences. I am well-versed in different software development methodologies such as **Agile**, Waterfall, and Test-Driven Development (TDD).
* Familiar with the new features and enhancements introduced in **Java 11**, Java 8, such as local variable syntax for lambda parameters, HTTP Client API, and improvements in the Collections API**.**
* Specialized in developing applications based on Service-Oriented Architecture and **Microservices** Architecture. Proficient in build automation tools like **Maven** and Gradle.
* In the realm of databases, I navigate with ease, leveraging SQL Server, **MySQL**, **Oracle DB** effectively. My command over JavaScript frameworks like **AngularJS**, **ReactJS**, and **Vue.js**.
* Participated in code reviews and collaborated with cross-functional teams to review **Scala** code for quality, performance.
* I have hands-on experience with Java 16 ,17 features, particularly **Lambdas**, which facilitate more concise and readable code.
* I am equally adept at handling backend intricacies, proficient in designing and consuming web services using **Restful APIs**, **GraphQL**, and SOAP. My familiarity with messaging systems such as JMS and **Apache Kafka**.
* Cloud-based development is another area of expertise, with proficiency in Spring Cloud, Pivotal Cloud Foundry, and Amazon Web Services. This includes working with various **AWS** services such as EC2, ECS, S3, Lambda, Dynamo DB, and Elastic Search.
* Proficient in optimizing microservices architecture, utilizing **Docker** and **Kubernetes** for enhanced scalability and performance. **CI/CD pipelines** using **Jenkins**, and **Spring Boot** for seamless deployment and scalability.
* Utilized open-source frameworks like **Spring**, Hibernate, and Struts to build robust enterprise applications. Experienced in **XML** technologies and developing/consuming **REST** and SOAP-based Web Services. Proficient in implementing REST and SOAP-based applications using JAX-RS and JAX-WS specifications.
* Experienced in database interactions **using JPA, JDBC**, and Hibernate for efficient data persistence and retrieval, with expertise in relational databases (Oracle DB, DB2, MySQL) and **NoSQL** databases (MongoDB, DynamoDB). Skilled in writing **PL/SQL** procedures and optimizing SQL queries to enhance database performance.
* Integrated **Spark** with other components of the big data ecosystem such as Hadoop, Hive, HDFS, Kafka, Cassandra, and Elasticsearch to enable seamless data integration, processing, and analytics across diverse data sources and systems.
* Proficient in adapting IDEs such as **Eclipse**, RAD, and **IntelliJ**, selecting tools tailored to project needs. Experienced in managing application servers like **JBoss**, and **Tomcat**.
* Skilled in quality assurance, developing test cases with **Junit**, J**asmine**, Karma, Cucumber and Mockito. I am experienced in using tools like **GIT** and **SVN** to manage code repositories efficiently. I am leveraged in cutting-edge testing tools like JUnit, Selenium, and Cypress to ensure the reliability and quality of my solutions.
* My proficiency extends beyond coding, I excel in utilizing tools like **Jira, Slack**, and Microsoft Teams to collaborate across teams. Moreover, my commitment to security is unwavering, with expertise in protocols like **OAuth** and SSL/TLS ensuring the integrity and confidentiality of systems under my purview.

**EDUCATION**

* Bachelor’s in computer science from JNTUH, India in 2011.

**TECHNICAL SKILLS**

**Languages:** Core Java, **Java 8**, **Java 11, Java 17,** JavaScript, PHP, PL/SQL, Python, Scala, Spark

**Java/J2EE Technologies: Core Java**, Servlets, Spring Boot, JPA, JTA, JDBC, JSP, JSTL, RMI, Applets, AWT

**Frameworks:** Struts 2.5, **Hibernate** 5, **Spring** 5.0, Spring Batch, Spring Security, Spring MVC, Spring IOC, Spring Cloud
**Web Technologies:** **HTML**5, **CSS**, AJAX, jQuery, Bootstrap, XML, Grunt, Gulp, JSON, Tailwind CSS
**Database:** SQL Server, **MySQL**, Postgres SQL, **Oracle** DB, DB2, **No SQL**, MongoDB, Dynamo DB, **Cassandra**
**JavaScript Frameworks:** **Angular** 8, 11, 15, TypeScript, jQuery, **React**, Node.js, Vue.js
**Web Services:** XSD, WSDL, Apache Axis, **SOAP**, **Restful API**, GraphQL, JAX RS, JAX WS

**Messaging:** **JMS** (Java Message Service), IBM MQ, Apache Active MQ, **Apache Kafka**, **RabbitMQ**

**Web Application Servers:** Oracle **WebLogic** 10.x/9.x, Apache **Tomcat** 8.0/7.x/6.x, **IBM WebSphere** 8.x/6.x.

**Methodologies:** **Agile,** Scrum and Kanban, Waterfall

**Testing Tools:** **JUnit**, Mockito, Jasmine, Karma, Cucumber, Mocha, Chai, Selenium, Cypress

**Version Control:** SVN, CVS, GIT, **GitHub**

**Build Tools:** **Maven**, Gradle, ANT, Struts

**IDEs:** **Eclipse** IDE, RAD 6.0/7.0, **IntelliJ IDEA**, Spring Tool Suite (STS), Visual Studio, Net Beans

**Operating Systems:** Windows, Linux, UNIX

**Cloud Technologies and Containerizations**: **AWS**, GCP**, Azure**, **Docker**, **Kubernetes,** Jenkins, Travis CI

**Cloud and Database Tools:** AWS **EC2**, AWS **ECS**, S3, RDS, AWS **Lambda** and MongoDB, MYSQL Workbench, Big Query, PgAdmin

**Security:** **OAuth**, JWT (JSON Web Tokens), SSL/TLS

**Project management and communication:** **Jira**, Asana ,**Slack**, Microsoft Teams

**Logging, Monitoring & Code Quality :** **Log4J**, Slf4J and Cloud Watch, **SonarQube**, Sonar lint, ES Lint

**API Testing and Documentation:** **Postman**, Insomnia and **Swagger**

**WORK EXPERIENCE**

***Client: Wells Fargo Jan 2023- Till Date***

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

***Responsibilities:***

* Designed and developed robust and scalable financial applications for clients using Java 11, Java 17, JDK, JSP 2.0, J2EE 2.0, HTML5, CSS3, and JavaScript.
* Built cloud-based authorization platforms using Spring Boot, implementing REST APIs and event-driven microservices that met business requirements. Utilized Spring 2.0, Spring Batch, and Spring MVC to develop backend business logic.
* Created engaging user experiences with React.js and Redux, implementing client-side form validation and error handling using Formik and Yup libraries.
* Streamlined development processes and improved code maintainability by using Kotlin for backend services alongside Java, leveraging Java 11 features like parallel streams, lambdas, functional interfaces, and filters.
* Developed scalable and efficient web applications and RESTful APIs using Node.js, showcasing expertise in JavaScript and employing the Express.js framework to enhance project maintainability.
* Utilized **AWS** services including S3, RDS, EC2, SQS, SNS and **Lambda** for building scalable and cost-effective cloud-based solutions, ensuring high availability and reliability of applications.
* Implemented database solutions using Oracle, **MongoDB**, and other database technologies, ensuring efficient data storage, retrieval, and management.
* Utilized **XML** and DOM for data manipulation and processing, ensuring interoperability and seamless integration with external systems and APIs in applications.
* Implemented **LDAP** for user authentication and authorization, ensuring secure access control to sensitive data and resources.
* Utilized **Hadoop** for processing and analysing large volumes of data, enabling data-driven insights and decision-making in operations involved.
* Implemented **SOAP** based web services and APIs for integrating with external systems and partners, facilitating seamless data exchange and interoperability in developing applications.
* Utilized **Drools** for implementing business rules and decision logic, enabling dynamic and configurable behaviour in the applications.
* Utilized Node.js modules such as HTTP, HTTPS, and FS to build robust and secure applications
* Developed and maintained RESTful APIs using Node.js to interact with front-end applications. Implemented **OAuth 2** for secure auth Utilized Node.js modules such as HTTP, HTTPS, and FS to build robust and secure applications.
* Proficient in building scalable and efficient server-side applications using **Node.js**. Experienced in developing RESTful APIs and web services with Node.js, utilizing frameworks such as **Express.js**.
* Implemented backup and recovery strategies for **WebLogic** Server domains, including regular backups and tested recovery procedures to minimize downtime and data loss.
* Developed Java-based applications that interacted with Oracle DB using JDBC, Hibernate, and Spring Data JPA. Implemented data access objects (DAOs) and repositories using Java to interact with Oracle DB.
* Configured and deployed Express.js applications on cloud platforms such as AWS and Optimized Express.js application performance using caching, compression, and minification techniques.
* Developed robust and scalable applications using Scala programming language. Implemented CI/CD pipelines for Scala projects using tools like Jenkins, Travis CI, or GitLab CI/CD, enabling automated building, testing, and deployment of applications.
* Leveraged Scala and **Python** for developing additional components and utilities, expanding the functionality and capabilities of applications. Utilized Google **Big Query** as a data warehousing solution to store and manage large-scale datasets.
* Deployed Java Enterprise Edition (JEE) applications to **WebLogic** Server using various deployment methods such as console-based deployment, scripting, or automated deployment tools, and administered deployed applications. Spearheaded data processing and analysis tasks using Apache Spark, leveraging its distributed computing capabilities to handle
* Embraced Test-Driven Development (TDD) practices using **JUnit**, Mockito, and **Cucumber** for writing automated unit tests, integration tests, and behaviour-driven tests, ensuring code reliability and quality.
* Developed and maintained Spark applications, writing clean and efficient code in Scala, Python, or Java to implement complex data processing workflows.
* Wrote and optimized complex SQL queries in Big Query to perform efficient data retrieval and analysis, reducing query execution times and improving performance.
* Implemented PL/SQL and **JDBC** for database interaction and manipulation, ensuring efficient data access. Established **CI/CD** pipelines using tools like Maven, Jenkins, and **Docker**, ensuring automated build, test, and deployment processes in systems.
* Created and maintained data models and schemas in Big Query to support analytics and reporting needs, ensuring data normalization and optimal storage.
* Utilized **Hibernate** for ORM, simplifying database interaction and reducing development efforts in applications. Orchestrated containerized deployments using **Kubernetes**, ensuring scalability and resilience of **microservices** based architectures in systems.
* Developed and documented **RESTful APIs** using Swagger, facilitating communication between frontend and backend components. Optimized Spark applications for performance, scalability, and resource utilization by tuning Spark configurations.
* Conducted unit testing, integration testing, and system testing using **JUnit**, Mockito, and **Postman**, ensuring the reliability, functionality, and performance of applications.
* Utilized **IntelliJ** IDEA ensuring a streamlined development workflow and enhanced productivity in building projects. Managed source code repositories using **GitHub,** enabling collaborative development and version control in application development.
* Utilized **Jira** for project management and issue tracking in projects. Monitored application performance and health using **CloudWatch** and **SonarQube,** identifying and addressing issues promptly to ensure optimal performance.

**Environment**: *Java 11,Java 17,JDK, JSP 2.0, J2EE 2.0, HTML5, CSS3, JavaScript, Spring 2.0,JNID, Spring Batch, Spring Boot, Spring MVC, Spring Transactions, React.js, Redux, Kotlin,Node.js,* WebLogic, *AWS, S3, RDS, EC2, Lambda, Oracle, XML, DOM, NOSQL, LDAP, Hadoop, Multithreading, SOAP, Drools, OAuth 2, Scala, Python, Spark, Big Query, TDD, PL/SQL, JDBC, CI/CD Pipelines, Docker, Hibernate, Kubernetes, Restful API, Microservices, MongoDB, Maven, Jenkins, JBoss, Tomcat, Apache Kafka, JUnit, Mockito, Cucumber, IntelliJ, GitHub, Jira, Cloud Watch, SonarQube, Swagger, Postman.*

***Client: Zurich insurance Dec2021- Jan 2023***

***Role: Java Full Stack Developer***

***Responsibilities:***

* Designed, developed, and maintained robust and scalable backend systems using **Core Java**, **Java 8/ Java 11/ Java 17**, J2EE, Spring, **Spring Boot**, Spring Batch, and **Hibernate** to meet the specific requirements of our financial client.
* Utilized Spring MVC to develop **RESTful APIs** and web services, following the Model-View-Controller (MVC) design pattern, to efficiently handle HTTP requests and responses.
* Orchestrated the decomposition of the **monolithic** application into **microservices**, analyzing the existing architecture to enhance scalability and maintainability.
* Participated in the migration and upgrade of existing **Java 8** applications from older versions to Java 11, ensuring compatibility, performance optimization, and adherence to best practices.
* Employed **Spring Boot** to rapidly develop and deploy standalone **Spring** applications, minimizing configuration overhead and simplifying the setup of production-ready applications. Implemented authentication and authorization features using **Spring Security** within **Spring Boot** applications.
* Created RESTful APIs with Ruby on Rails to facilitate communication between frontend and backend systems, enabling seamless data exchange.
* Designed and implemented communication protocols and mechanisms between microservices, such as HTTP/RESTful APIs or asynchronous messaging patterns like **Apache Kafka** ensuring fault tolerance and scalability.
* Conducted performance tuning and optimization of BigQuery environments, including partitioning and clustering of tables to enhance query performance.
* Utilized **Spring Batch** for processing of large volumes of data, implementing batch jobs for tasks such as data migration, **ETL** and scheduled processing. Implemented robust security measures to protect sensitive financial data stored in **MongoDB**.
* Utilized **Hibernate ORM** capabilities to map Java domain objects to relational database tables, streamlining database interaction and eliminating the need for low-level **JDBC** programming.
* Deployed and maintained Ruby on Rails applications on cloud platforms such as AWS and Heroku, ensuring high availability and scalability.
* Configured Hibernate built-in caching mechanisms, improving response times. Utilized **Hibernate** transaction management providing data integrity in transactional applications.
* Implemented load balancing mechanisms using technologies to ensure high availability and reliability of **microservices**. Integrated backend systems with external services and databases like **AWS RDS**, MongoDB, and Apache Kafka, wrote efficient SQL queries and database interactions using JDBC.
* Designed and implemented **MongoDB's** data schema, ensuring it aligns with project requirements and supports efficient data storage and retrieval. Analyzed, designed, and developed SOA Based Applications using technologies **such as Web Services, XML, XSL, XPATH, Apache Tomcat, IBM WebSphere, WebLogic, Oracle 10g, RAD, UML and ClearCase.**
* Utilized containerization technologies like **Docker** and **Kubernetes** to deploy and manage backend applications efficiently, implemented CI/CD pipelines using **Jenkins** for automated build, test, and deployment processes.
* Designed and developed responsive and intuitive frontend components using **HTML5**, **CSS3**, **JavaScript**, **TypeScript**, **jQuery**, and **React JS**, collaborating closely with UX/UI.
* Monitored **WebLogic** Server environments using built-in monitoring tools, management consoles, and third-party monitoring solutions to detect issues.
* Developed and maintained interactive and responsive user interfaces using **React** and leveraged React components to create modular and reusable UI elements, employed React's virtual **DOM** for efficient rendering of applications. Designed and developed front-end components using React.js and **Redux**.
* Implemented security protocols such as **OAuth** and SSL/TLS to safeguard data transmission, wrote comprehensive unit tests, integration tests, and end-to-end tests using **TDD/BDD** methodologies and tools like JUnit, Mockito, cucumber for application reliability and stability.
* Utilized **Oracle** and **NoSQL** databases for data storage and retrieval, implementing efficient data models and ensuring data integrity. Implemented **XML** and **DOM** techniques for data interchange and processing, adhering to industry standards.
* Utilized **LDAP** for user authentication and authorization, ensuring secure access within the application. Employed **Hadoop** for distributed data processing and analysis, handling large volumes of structured and unstructured data.
* Implemented **multithreading** techniques to optimize application performance and resource utilization, particularly in high-concurrency scenarios. Integrate **SOAP**-based services into the application architecture, ensuring interoperability and compatibility with external systems.
* Implemented business rules and decision logic using **Drools**, facilitating dynamic behavior within the application. Utilized **Scala** and Python to develop scripts for automating tasks. Implemented performance optimization techniques such as partitioning, caching, and tuning Spark configurations to improve.
* Designed and implemented end-to-end data pipelines using Spark, integrating with various data sources and sinks such as Hadoop HDFS, Apache Kafka, Amazon S3, and relational databases.
* Leveraged Scala and **Python's** interoperability with Java to seamlessly integrate scripts with existing Java-based applications. Profiled and optimized **Scala** applications for performance bottlenecks, memory leaks, and resource utilization issues, ensuring optimal runtime performance and scalability.
* Configured logging and monitoring solutions within **Spring Boot** applications to track application performance and diagnose issues. Monitored application performance using tools like **Cloud Watch**, and **SonarQube**, to maintain optimal system performance. Followed Agile methodologies like Scrum to collaborate teams.
* Integrated third-party services and APIs using **REST** to enhance application functionality. Deployed and managed applications on **AWS cloud.**
* Collaborated with DevOps engineers to automate deployment processes, while testing and validating APIs using tools like **Postman** and **Swagger** to ensure compliance and compatibility.
* Implemented continuous integration and continuous deployment **CI/CD pipelines** using **Jenkins**, automating the build, test, and deployment processes to accelerate the software delivery lifecycle.

**Environment**: *Java 8, Java 11, Java 17, JSP 2.0, J2EE 2.0, HTML5, CSS3, JavaScript, TypeScript, Spring 2.0,JNID, Spring Batch, Spring MVC, Spring Boot, Spring Transactions, React.js, Redux, AWS, S3, RDS, EC2, Lambda, Oracle, XML, DOM, NOSQL, LDAP, Hadoop, Multithreading, SOAP, Drools, Big Query, OAuth 2,* Scala*, Python,* *WebLogic, Spark, TDD, PL/SQL, JDBC, CI/CD Pipelines, Docker, Hibernate, Kubernetes, Restful API,* *Ruby on Rails, Microservices, MongoDB, Maven, Jenkins, JBoss, Tomcat, Apache Kafka, JUnit, Mockito, Cucumber, IntelliJ, GitHub, JIRA, Cloud Watch, SonarQube, Swagger, Postman.*

***Client: Thermofisher Scientific Sept 2020 -Dec 2021***

***Role: Java Full Stack Developer***

***Responsibilities:***

* Developed and maintained backend systems using **Java 11**, J2SE/J2EE, Spring MVC, and Hibernate, ensuring robust and scalable solutions tailored to the specific needs of the health client.
* Implemented **RESTful APIs** and web services using **Spring MVC** and Angular 11, facilitating seamless communication between frontend and backend components to deliver responsive and intuitive user interfaces.
* Orchestrated the migration of monolithic applications to microservices architecture, leveraging technologies like Docker, Kubernetes, and **AWS ECS** for improved scalability, resilience, and maintainability.
* Optimizing the performance and scalability of the financial application built with **Spring Boot** to handle large volumes of concurrent users and transactions.
* Designed and developed APIs and libraries in Java 11, following industry standards and best practices to ensure interoperability, maintainability, and extensibility.
* Applied patches, service packs, and updates to **WebLogic** Server installations, and performed version upgrades as needed to keep systems up-to-date with the latest features, fixes, and security enhancements.
* Implemented a **microservices** based architecture, breaking down monolithic applications into smaller, independent services. Implementing stringent security measures within the **Spring Boot** application to protect sensitive financial data.
* Designed and implemented data models using **JPA** and JDBC to interact with **MySQL databases**, ensuring efficient data manipulation and retrieval for healthcare-related applications.
* Utilized **Angular 11** to develop frontend components, collaborating with UX/UI designers to create interfaces for healthcare professionals and patients. Employed Hibernate to map **Java** objects to relational database tables, optimizing database interactions and ensuring data integrity in healthcare management systems.
* Implemented **OAuth** for secure authentication and authorization, adhering to industry standards and compliance to protect sensitive healthcare data.
* Conducted capacity planning and resource management for WebLogic Server environments, analysing resource usage patterns, forecasting future requirements, and scaling infrastructure as needed to meet business needs.
* Developed dynamic and interactive front-end components using cutting-edge technologies such as **HTML5**, **CSS3**, **JavaScript**, Angular 11, and Bootstrap, delivering immersive user experiences across various devices and platforms.
* Implemented CI/CD pipelines using Jenkins, **Maven**, and AWS services to automate the build, test, and deployment processes, ensuring continuous integration and delivery of high-quality software updates to healthcare applications.
* Configured automated testing suites within **CI/CD pipelines** to conduct unit tests, integration tests, guaranteeing the reliability, stability, and functionality of healthcare systems throughout the development lifecycle.
* Collaborated with cross-functional teams to integrate Angular front-end with backend systems across the application stack and implemented best practices and design patterns in Angular development. Mentored junior developers on Angular best practices, conducting code reviews and providing technical guidance within the team.
* Utilized **TDD** methodologies and tools like **JUnit,** **Mockito**, and Jasmin for comprehensive testing of Java and Angular applications, ensuring high-quality and reliable software solutions.
* Integrated third-party services and APIs using **REST** and JSON to enhance the functionality of **healthcare applications**, facilitating seamless data exchange with external systems.
* Employed **Swagger** for **API** documentation to facilitate collaboration and integration. Monitored application performance using CloudWatch and **Log4J**. Leveraged **SonarQube** for code quality analysis, ensuring adherence in Java and Angular development.
* Collaborated with cross-functional teams in an **Agile** environment, participating in Scrum ceremonies and using **Jira** for project management and tracking progress. Utilized **Jenkins** for continuous integration and deployment, software delivery in healthcare projects.
* Integrated MongoDB and **Cassandra** databases for storing and retrieving large volumes of healthcare data, ensuring efficient data management and scalability. Designed and implemented data models in **Cassandra** to accommodate the application's requirements, considering factors such as data access patterns and scalability.
* Crafted the data structure within MongoDB to accommodate project needs, ensuring it's optimized for efficient data handling. Build backend functionalities and APIs that seamlessly interact with **MongoDB**, handling data operations and ensuring smooth communication. Enforced stringent security protocols to safeguard financial data stored in MongoDB.
* Developed backend services using Java and integrating them with **Cassandra** for data storage and retrieval, ensuring proper error handling and resilience.
* Employed **Vue.js** server for building interactive user interfaces, enhancing user experience and engagement in healthcare applications. Configured and deployed applications on robust application servers such as **Tomcat**, JBoss.
* Leveraged **Apache Kafka** for real-time data streaming and event-driven architecture, enabling timely processing and analysis of healthcare data for actionable insights.
* Collaborated with DevOps teams to manage infrastructure as code using tools like **Terraform**, ensuring reliable and scalable deployment of healthcare applications on AWS (ECS, S3, RDS, EC2) cloud environments.
* Employed PL/SQL for database programming and optimization, implementing stored procedures and queries to meet specific data processing requirements in healthcare projects.
* Employed **AWS** Lambda for serverless computing, optimizing resource utilization and cost-effectiveness in healthcare applications hosted on AWS cloud infrastructure.

**Environment:** *Java 11, J2EE, HTML5, CSS3, JavaScript, TypeScript, jQuery, Spring MVC ,Spring Boot, AWS ECS, S3, RDS, EC2,AWS Lambda, OAuth, TDD, JSP 2.0, JNDI, Angular 11, Bootstrap, Docker, Hibernate, Kubernetes, Restful API, WSDL, Microservices, MongoDB, Maven, Jenkins, JBoss, Tomcat, Apache Kafka, Vue.js, IntelliJ, JSTL,* *WebLogic, GitHub, JIRA, Log4J, Cloud Watch, SonarQube, Swagger, Postman, Agile methodology, Jasmin, Karma, JUnit, CI/CD pipelines.*

***Client: State of Nebraska Jan 2019- Sept 2020***

***Role: Java Full Stack Developer***

***Responsibilities:***

* Developed and maintained backend systems using **Core Java** and **Java 8**, ensuring robustness and scalability for state government applications. Implemented RESTful APIs and web services using **Spring MVC**.
* Leveraged **Hibernate** to optimize database interactions, ensuring data integrity. Enforcing rigorous security protocols within the **Spring Boot** application to safeguard sensitive financial data and ensure regulatory compliance.
* Enhanced the performance and scalability of the **Spring Boot**-based financial application to manage substantial user traffic and transaction volumes effectively. Collaborated with UX/UI designers to develop visually appealing frontend components using **Angular 8**, enhancing user experience in state government applications.
* Leveraged Java 8 features such as lambda expressions, functional interfaces, streams, and optional types to write concise, readable, and maintainable code.
* Implemented **OAuth** for secure authentication and authorization, safeguarding sensitive state government data according to industry standards. Utilized TDD/BDD methodologies and tools like **JUnit**, Mockito, and Jasmin to conduct comprehensive testing, ensuring the reliability and quality of Java and Angular applications.
* Documented APIs using **Swagger**, facilitating collaboration between frontend and backend developers in state government projects. Monitored application performance using **Log4J**, identifying and addressing performance bottlenecks to optimize state government systems.
* Ensured code quality through analysis with **SonarQube**. Developed backend services and APIs that seamlessly interact with DynamoDB to manage state-related data. Implemented robust security measures within **DynamoDB** to safeguard against unauthorized access.
* Orchestrated the migration of monolithic applications to microservices architecture, leveraging **Docker**, Kubernetes, and **Apache Kafka** for improved scalability and maintainability.
* Implemented **CI/CD pipelines** with Jenkins and Maven, automating build, test, and deployment processes for continuous integration and delivery of state government software updates.
* Designed and implemented data models using **JDBC** for efficient interaction with MySQL databases in state government management systems.
* Contributed to cross-functional **Agile** teams, participating in **Scrum** ceremonies, and using Jira for project management in state government projects.
* Enhanced productivity and code quality using **Eclipse** as the integrated development environment (IDE) for Java and Angular development.
* Managed code repositories and ensured traceability with **GitHub**, supporting version control in state government software development. Utilized **Apache Tomcat** as the web application server for deploying and running Java-based state government applications, ensuring reliability and scalability.
* Leveraged AWS **DynamoDB** as the primary database solution for storing and managing structured data. Integrated AWS **RDS** for managing relational data models, providing robust database solutions for applications requiring SQL databases.
* Implemented data replication and backup strategies using AWS Backup and **AWS** Data Sync to ensure data durability and disaster recovery for critical applications.
* Leveraged AWS ECS, S3, EC2, and Lambda for the deployment and management of state government applications, ensuring scalability and cost-efficiency. Implemented security measures using **AWS IAM** for secure access control.

**Environment:** *Core Java, Java 8, HTML5, CSS3, JavaScript, jQuery, Spring MVC, Spring Boot, AWS ECS, S3, RDS, EC2, Lambda, OAuth, MySQL, TDD, JSP/JSTL, JPA, JDBC, Angular 8, Bootstrap, Docker, Hibernate, Kubernetes, Restful API, Microservices, MAVEN, Jenkins, JBoss, Apache Tomcat, Apache Kafka, SQL, GitHub, Eclipse, Jira, Slack, Log4J, SonarQube, Agile methodology, Jasmin, Karma, JUnit, Mockito, CI/CD pipelines, Swagger, Postman.*

***Client: Staples Retail Oct 2017 – Dec 2018***

***Role: Java Full Stack Developer***

***Responsibilities:***

* Designed and developed scalable and robust backend systems using **Core Java**, Java 8, J2SE/J2EE, Spring, **Spring Boot**, Hibernate, and Apache Tomcat. Integrated **Angular 8** frontend applications with backend services.
* Utilized Bootstrap, **HTML5**, **CSS,** and SASS for designing and implementing responsive and visually appealing user interfaces. Deployed and managed applications on Google Cloud Platform (GCP), ensuring scalability, availability, and security of deployed applications.
* Integrated Big Query with other Google Cloud services(GCP) and third-party tools for data ingestion, processing, and visualization.
* Integrated with **GCP** managed services like Cloud Storage, Cloud SQL, and Big Query for storing data, managing relational databases, and performing analytics tasks. Configured and maintained **Apache Tomcat** servers for hosting and running Java web applications.
* Implemented **SOAP** and **RESTful** web services using JAX-WS and JAX-RS for seamless communication between different components of the application.
* Wrote unit tests using **JUnit** and conducted integration tests with tools like Postman to ensure the reliability. Leveraged **Docker** for containerization, enabling consistent deployment environments and scalability of microservices architecture.
* Employed **Spring Batc**h for batch processing tasks, such as **ETL** operations and data processing. Leverage LDAP for user authentication and authorization to manage APIs securely.
* Applied design patterns and **UML** diagrams for designing scalable, maintainable, and extensible software solutions. Implemented **RabbitMQ** integration within a microservices.
* Set up real-time data streaming into Big Query using Google Cloud(GCP) Pub/Sub and Dataflow, enabling real-time analytics and reporting.
* Utilized AJAX and **jQuery** for asynchronous data retrieval and dynamic content generation in web applications. Implemented security best practices on GCP, including **Identity and Access Management** (IAM), encryption.
* Automated build processes and dependency management using Maven, ensuring consistency and efficiency in project builds. Set up and managed **CI/CD pipelines** for automated testing, deployment, and delivery of software applications.
* Implemented **IBM WebSphere** Application Server (WAS) for deploying and managing Java applications, ensuring optimal performance and scalability. Utilized IBM MQSeries to facilitate seamless communication between distributed applications.

**Environment**: *Core Java,* *Java 8, Angular 8, Bootstrap, J2SE/J2EE, GCP, Apache Tomcat, JDK, Struts, GitHub, Spring, Docker, Hibernate, SOAP/Rest, Web Services, JavaScript,* *Big Query, UML, HTML5, CSS, SASS, Sonar Lint, WSDL, JIRA, IBM WebSphere, XML, Spring, Spring Boot, LDAP, Microservices, Spring Batch, AJAX, jQuery, JUnit, Web logic, RabbitMQ, CI/CD Pipelines.*

***Client: Airtel Dec 2011-Nov 2015***

***Role:* Java Developer**

***Responsibilities:***

* Designed and developed enterprise-grade applications using **Java** 1.6, JSP 2.0, Servlets 2.4, Struts 1.2, and Spring 2.0.3. Implemented robust web services utilizing XML, **SOAP** (SOAP/WSDL), REST, and other Web services protocols for seamless communication across disparate systems.
* Utilized version control systems such as **SVN** and Git proficiently to ensure efficient collaboration and maintain codebase integrity across distributed teams. Integrated with databases using JDBC 3.0 and **Hibernate** ORM, particularly with Oracle databases, while architecting and optimizing database schemas for performance and scalability. Spearheaded unit testing efforts with **Junit.**
* Streamlined build processes with Ant and **Maven**, including setting up continuous integration and continuous deployment (CI/CD) pipelines for efficient software delivery.
* Implemented robust logging strategies using **Log4j** for effective troubleshooting, debugging, and performance monitoring in both development and production environments. Leveraged **Azure** cloud services for deploying applications, managing infrastructure, and ensuring security compliance in the cloud environment.
* Configured and maintained **Azure Virtual Machines** (VMs), Virtual Networks (V Nets), and Azure Active Directory (AAD) for seamless authentication and authorization. Established disaster recovery strategies using Azure Site Recovery (ASR) and **Azure** Backup to ensure business continuity and data protection.
* Adhered to **Agile** methodologies such as **Kanban**, actively participated in sprint planning, daily stand-ups, and retrospective meetings to drive project success.

**Environment**: *Java 1.6, XML, SOAP (SOAP/WSDL and REST), SVN, JSP2.0, Servlets2.4, Struts1.2, Spring 2.0.3, JDBC 3.0, Design patterns, Log4j, Ant, Web services, Spring boot, Azure, Git, Maven, Junit, Hibernate, Postman, Oracle, UNIX, JMS.*