SUKUMAR AKOJU

**Full Stack Java Developer**

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**Professional Summary:**

* Accruing more than 10 years of IT experience, involved in the analysis, design, implementation, and testing of Object-Oriented applications within client/server, WebServices, distributed and integrated environments through the utilization of J2EE.
* Demonstrated proficiency in Object-oriented analysis, design, and programming (OOA/OOD/OOP) across various SDLC models like Waterfall and Agile to meet the deliverables successfully.
* Excelled in developing enterprise web-based applications using Java technologies such as J2EE, J2SE, EJB, Java Servlets, Struts, Spring, Hibernate, Core Java, Java Beans, JMS, JNDI, ANT, and Apache Maven.
* Specialized in Spring framework modules including Spring MVC, Spring IOC, Spring AOP, Spring Boot, Spring Microservices, Spring REST, Spring Eureka, Spring Netflix, Spring Zuul, and Spring Security.
* Demonstrated competence in Object-relational mapping frameworks, particularly Hibernate.
* Well-versed in working with major databases, including Oracle, SQL Server, MySQL, PostgreSQL, MongoDB, and Cassandra.
* Applied knowledge of application server technologies such as IBM Web Sphere, Web Logic, JBoss, and Apache Tomcat.
* Adept in SOA (Service Oriented Architecture) with expertise in developing web services using Axis, WSDL, SOAP, UDDI, WS Security, XML-RPC, and JAXB/JAXP.
* Implemented Java8/7/5 features like Lambda expressions, Streams, filters, and fetching documents from the database, demonstrating proficiency in building REST APIs (JAX-RS) based on Spring Boot.
* Developed batch jobs using EJB scheduling and leveraged container-managed transactions for highly transactional Web Services, involving sending XML requests and reading SOAP responses from Java platform.
* Expert in various J2EE design patterns such as Singleton, Factory, Abstract Factory, DAO, MVC, Facade, and Business Delegate in the development of enterprise applications.
* Implemented security vulnerability fixes on the server by setting up Big-Fix, Carbon-Black, Flex-era on cloud VM, and configured firewall settings in the Google Cloud platform.
* Extensive experience in Text Analytics, generating data visualizations using Python, and creating dashboards with tools like Tableau, Matplotlib, and Plotly.
* Demonstrated experience with containerization technologies, including Docker, Kubernetes, or Rancher, and showcased proficiency in Open Stack based cloud infrastructure.
* Adept in developing web-based applications using Python, DJANGO, GTK, QT, C++, XML, CSS, HTML, DHTML, JavaScript, and JQuery.
* Exhibited experience in testing frameworks like Jasmine, Protractor for angular functionality testing, and karma for running tests.
* Experience in Full Stack development while working on web apps with many technologies like Angular, React, Node, Java, GraphQL, and MySQL.
* Demonstrated expertise in modern web architecture using various JavaScript frameworks and libraries like ReactJs, Redux, Redux Toolkit, Angular, and AngularJS.
* Showed hands-on experience in Continuous Integration/Continuous Delivery (CI/CD) using Jenkins for deploying applications to AWS and on-premise servers.
* Demonstrated a comprehensive understanding of containerization technologies, including Docker, Kubernetes, and Rancher, while showcasing proficiency in OpenStack-based cloud infrastructure. Applied this expertise by developing, enhancing, and maintaining a Spring Boot-based Microservices application, utilizing Docker containers and Kubernetes specifically within Azure Container Service.
* Deployed applications using AWS, Microsoft Azure, and GCP, demonstrating a deep understanding of cloud services. Specifically, showcased expertise in AWS cloud applications like EC2, Elastic Beanstalk, RDS, Serverless, S3, EKS, Lambda, and Terraform, while also maintaining a well-versed understanding of Microsoft Azure and GCP.
* Proficient in implementing ELK (Elasticsearch, Logstash, Kibana) for searching and server-side data processing pipeline to simultaneously ingest data from multiple sources.
* Developed and Modified code using IDE tools like Eclipse, Notepad++, IntelliJ, Sublime Text, and VS Code.
* Maintained a solid understanding of version control systems including GIT, TFS, CVS, SVN, and Clear Case. Showcased expertise in utilizing Maven, Apache Camel, ANT, and Jenkins for automating software build processes and artifacts
* Applied knowledge of software testing principles and practices, including unit testing, integration testing, and automated testing frameworks (JUnit, Mockito, SonarQube).
* Exhibited excellent communication skills to effectively communicate with cross-functional teams, stakeholders, and clients.
* Hands-on experience on front-end technologies such as HTML5, CSS, JavaScript, Struts tag libraries, AJAX, JSON, XML, XSLT, Angular JS, Angular, jQuery, React JS, and Bootstrap frameworks.
* Demonstrated expertise in NoSQL databases like MongoDB and C++, and worked on Mocking frameworks like Karma, Jasmine, and Protractor, showcasing hands-on experience with Test Mockito, J unit, and Log4j in developing test cases and determining application functionality.

**Education:**

* Bachelors in Computer Science

**Lovely Professional University** - **May 2011**

* Masters in Computer Science

**University of Central Missouri**  - **May 2013**

**Technical Skills:**

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| **Languages** | Java, J2EE, C, C++ |
| **J2EE Technologies** | Servlets, JSP, JSTL, JMS, JDBC, JNDI, JAXB, JTA |
| **Frameworks** | Spring, Hibernate, Struts |
| **Web Technologies** | HTML5, XHTML, DHTML, CSS3, AJAX, XML, JSON, JavaScript, Jquery, SASS, LESS, Typescript, DOM, React JS, Angular JS, Angular, Node JS, Backbone JS, Express JS |
| **XML Technologies** | XML, XSL, XSLT, DOM, and JAXB |
| **App/Web servers** | Web Sphere, Apache Tomcat, WebLogic, JBoss |
| **Cloud** | **AWS**, Azure, GCP |
| **Web Services** | Soap, WSDL, REST |
| **Databases** | Oracle, SQL Server, My SQL, PostgreSQL, Mongo DB, Cassandra |
| **IDEs** | Eclipse, Notepad++, Sublime Text, VS Code, NetBeans, Dreamweaver |
| **Other Tools** | Maven, ANT, Jenkins, Docker, Kubernetes, GIT, SVN |
| **Operating Systems** | Windows, UNIX, Linux |
| **Testing Tools** | Junit, Jasmine, Karma, Citrus, Cucumber, Selenium |
| **Methodology** | Waterfall, Agile methodology |

**Work Experience:**

**|Java Full Stack Developer | Mar 2023 - Present**

**Roles & Responsibilities:**

* Engaged in all stages of the Software Development Life Cycle (SDLC) with a focus on Agile Methodologies.
* Designed, coded, and tested HTML5, CSS3, Bootstrap, JavaScript, jQuery, and React.JS for web development.
* Implemented React JS and Flux for Single Page Application (SPA) development.
* Used React-Router to transform the application into a Single Page Application.
* Utilized React JS components for managing Forms, Events, Keys, Router, Animations, and Flux concepts.
* Implemented React 16.8’s Hooks feature, resulting in a 30% reduction in code for improved maintenance.
* Employed Spring Core Annotations for Dependency Injection (Spring DI).
* Used Spring MVC for REST APIs and Spring Boot for microservices architecture.
* Demonstrated proficiency in Collections API, Multithreading, and OOPS technologies.
* Worked with various Spring frameworks, including Struts, Spring IoC, Spring MVC, Spring Data, Spring Boot, and Spring Security.
* Applied the latest features of Java 11, including utility methods, local variable syntax for Lambda Parameters, and Nested Based Access Control.
* Developed Micro Services providing Restful APIs using Spring Boot.
* Integrated diverse data persistence frameworks such as Hibernate and JPA in the Spring Boot microservices.
* Conducted testing of rest-based services using Rest Client, Postman, Junit, and Mockito.
* Employed the SonarQube tool for comprehensive measurement and analysis of source code quality.
* Developed a Spring Boot application for payment processing within the Microservices Framework.
* Established new connections through application coding to enhance Oracle database access.
* Created SQL & PL SQL components, including stored procedures, functions, sequences, triggers, cursors, and object types for Oracle database.
* Created a microservice for streaming data from Kafka topics and analyzing alarms within the stream.
* Utilized Apache Camel's AWS component for uploading documents to AWS S3.
* Demonstrated hands-on experience with multiple AWS accounts and VPCs, focusing on automation, build-out, integration, and cost control.
* Optimized PySpark jobs for faster data processing.
* Installed, configured, and managed Docker containers and images for web and application servers.
* Integrated Docker with Amazon MySQL RDS database.
* Proficiently deployed and administered GIT for version control.
* Used JIRA for project management and tracked progress with epics, tasks, and subtasks.

**Environment**: Java /J2EE, JSP, JDBC, Spring, Spring Boot, Hibernate, HTML, DHTML, XHTML, JavaScript, Jquery, JSON, CSS, XML, XSLT, AJAX, Redux, AWS, JMS, Kafka, SOAP, REST, SQL, Oracle, Eclipse, GIT, WebSphere, Maven, Jenkins, Docker, Kubernetes, JIRA, Log4J, Agile.

**| Java Full Stack Developer | Nov 2021 to Feb 2023**

**Roles & Responsibilities**

* Implemented client-side endorsements in Angular 9, utilizing both Template Driven and Reactive forms for robust form validations.
* Employed Angular 9 for frontend tasks, handling forms, modules, DOM, events, expressions, controllers, filters, and HTTP Requests.
* Implemented Angular JS Ajax module for efficient communication between view components and the server.
* Leveraged NodeJS to structure JavaScript code for building endpoints, enabling independent User Interface development from the server.
* Integrated external systems into JBPM processes by making REST service calls, ensuring seamless communication and data exchange in the backend.
* Incorporated Java 8 features like streams and Lambda expressions, ensuring interface compatibility and addressing concurrency using features such as default and static methods and the concurrency API.
* Formulated and executed MongoDB scripts and queries for retrieving and testing data from NoSQL databases, emphasizing efficient data management practices in the backend.
* Designed and crafted custom message adapter components using Apache Kafka, facilitating message travel through Microservices based on Restful API with Spring Boot. Conducted Log aggregations, website Activity tracking, and commit log for distributed systems using Apache Kafka.
* Developed JUnit Framework test cases with Mockito and implemented Log4j for application flow logging, ensuring robust testing and comprehensive logging practices in the backend.
* Engaged in writing Java API through API gateway and Amazon Lambda for managing other AWS services. Prioritized high availability, fault tolerance, and auto-scaling strategies for optimal backend performance.
* Deployed the application on AWS using Jenkins, establishing a build pipeline for Continuous Integration and Deployment, integrated with TFS-Git source controllers.
* Implemented client-side endorsements through Angular 9 with Template Driven and Reactive forms for thorough form validations. Created Feature Modules, Components, Services, Animations, Reactive forms, Custom Pipes, Directives, and Validations within Angular framework (Frontend).
* Integrated external systems into JBPM processes by making REST service calls for seamless communication and data exchange in the backend.
* Engaged in writing Java API through API gateway and Amazon Lambda for managing other AWS services, prioritizing high availability, fault tolerance, and auto-scaling (Backend).
* Ensured a comprehensive approach to frontend and backend technologies for a seamless and efficient development lifecycle.

**Environment**: Java, J2EE, Spring MVC, IOC, AOP, Restful Web Service, Multithreading, Hibernate, Eclipse, Angular, NodeJS, CSS3, HTML5, Web logic Server, WSDL, SOAP, JAX-WS, Kafka, Tomcat, Oracle 11g, Linux, GIT, Jenkins, JIRA, Python, ELK

**American Eagle, Pittsburgh, PA.| UI / JEE Developer | Jan 2020 to Oct 2021**

**Roles & Responsibilities:**

* Developed and maintained robust server-side components and APIs using Java, ensuring seamless integration with the React front end.
* Utilized React's features, including hooks, to enhance the frontend application, resulting in improved code maintainability.
* Leveraged React-Router for efficient navigation and transforming the application into a Single Page Application (SPA).
* Implemented industry-standard testing frameworks such as Jest and Enzyme for unit and component testing in the React application.
* Integrated Cucumber for end-to-end testing, ensuring comprehensive validation of the React components and their interactions.
* Incorporated Jenkins for continuous integration and continuous deployment (CI/CD) of the React application, ensuring efficient and automated development workflows.
* Integrated Cassandra for scalable and high-performance data storage, enhancing data management capabilities.
* Utilized SVN (Subversion) for version control, ensuring a structured and collaborative approach to code management.
* Applied UML (Unified Modeling Language) for system design and documentation, enhancing clarity and communication among team members.
* Employed UQL (User Query Language) for efficient querying and manipulation of user-specific data in the frontend.
* Leveraged Angular's HttpClient module to establish efficient communication between the frontend and the Java backend, facilitating the exchange of data through RESTful web services.
* Embraced asynchronous programming paradigms and Ajax technology to enable responsive and dynamic communication between the frontend and backend, enhancing user experience and interactivity.
* Implemented server-side rendering using JavaServer Pages (JSP) for optimal application performance and search engine optimization (SEO).
* Integrated industry-standard libraries such as jQuery and Bootstrap to enhance the user interface and design of the frontend.
* Employed strong data persistence techniques and leveraged Hibernate or JPA to handle database interactions securely and efficiently.
* Implemented robust authentication and authorization mechanisms in the backend, ensuring controlled access and safeguarding sensitive data.
* Designed and managed data transfer objects (DTOs) or Plain Old Java Objects (POJOs) for seamless communication between the React frontend and Java backend.
* Integrated third-party libraries and tools effectively, leveraging their capabilities to augment backend functionality.
* Engaged with Ajax technology for efficient and asynchronous communication between the React frontend and Java backend, facilitating real-time updates and dynamic interactions.
* Integrated Postman for streamlined testing and validation of RESTful web services in the Java backend.
* Leveraged Swagger to enhance API documentation for both frontend and backend, providing a clear and accessible reference for developers and stakeholders.

**Environment**: Java /J2EE, JSP, JDBC, Spring, Spring Boot, Hibernate, HTML, DHTML, XHTML, JavaScript, Jquery, JSON, CSS, XML, XSLT, AJAX, Angular JS, Angular, AWS, JMS, Kafka, SOAP, REST, SQL, Oracle, Eclipse, GIT, WebSphere, Maven, Jenkins, Docker, Kubernetes, JIRA, Log4J, Agile.

**Express Scripts, St Louis, MO.| Java Backend Developer | Nov 2018 to Dec 2019**

**Roles & Responsibilities:**

* Developed and maintained scalable web applications using **Java**, **HTML\_\_**, **CSS**, and **JavaScript**, with a focus on the **Spring** **React and Spring** **Security framework** for back-end development.
* Created RESTful APIs using the Spring **MVC** framework to enable seamless communication between the front-end and back-end systems.
* Integrated MySQL databases into the application using **Hibernate** ORM, ensuring efficient data storage and retrieval.
* Implemented server-side logic and business logic using the Spring framework, leveraging its dependency injection and inversion of control capabilities.
* Collaborated with cross-functional teams to gather requirements and ensure smooth project execution.
* Conducted unit testing using **JUnit** to ensure code quality and maintainability, following test-driven development (**TDD**) principles.
* Utilized **Git** as a version control system to manage and track changes in the source code, ensuring proper code collaboration and versioning.
* Worked with **Maven** as a build tool for project dependency management and automated builds, streamlining the development process.
* Collaborated with DevOps teams to deploy applications to production environments, utilizing **Docker** for containerization and deployment.
* Implemented authentication and authorization mechanisms using **Spring** **Security**, ensuring secure access to application resources.
* Utilized **Grunt** as a front-end build tool for bundling and optimizing JavaScript and CSS assets, improving application performance.
* Integrated third-party APIs and services using **RESTful** interfaces, enabling seamless integration with external systems.
* Employed Postman's environment variables to effectively handle multiple environments (such as development, staging, and production), streamlining the setup and deployment of API requests.

**Environment**: Java, J2EE, HTML5, Agile Methodology CSS3, jQuery, Ajax, Rest API, Bootstrap, JavaScript, AngularJS, JSP, NodeJS, Hibernate, Spring boot, spring Eureka, OAuth, JAX-RS, GIT, JUnit, Maven, Restful, Amazon Web Services (AWS), Micro Services, Mongo DB, WebSphere, JIRA, Jenkins, Spring Tool Suite, DevOps (CICD).

**Molina Health care, Irving, TX. | Java/J2EE Developer | Jan 2017 to Oct 2018**

**Roles & Responsibilities:**

* Implemented **AGILE** principles, contributing to dynamic Scrum meetings for timely, high-quality product delivery. Emphasized adaptability and continuous improvement in the iterative development process to meet project goals effectively.
* Engaged in the comprehensive development of multiple layers designed in alignment with the **Spring** **MVC** architectural pattern, while implementing both **DAO** (Data Access Object) and **DTO** (Data Transfer Object) patterns.
* Drafted test cases within **JIRA** and formulated test scripts to automate diverse end-to-end REST APIs, demonstrating a commitment to rigorous testing practices and ensuring the reliability and functionality of the software application.
* Thoroughly leveraged the Spring Inversion of Control (**Spring** **IoC**) paradigm within the Spring framework, extensively configuring Application Context files. Additionally, orchestrated the mapping of database objects using Hibernate annotations to ensure a seamless and efficient integration of data persistence within the application.
* Utilized the Spring Boot framework to deploy Microservices in a distributed architecture, encapsulating them within Docker containers, and orchestrated their deployment on Amazon EC2 instances through the AWS administration console which involved leveraging the efficiency of **Spring** **Boot** for building modular and scalable Microservices, encapsulating them within Docker containers for portability and consistency, and utilizing the Amazon EC2 service for flexible and scalable deployment within the AWS cloud environment.
* Engineered the application with a robust foundation, employing Core Java, Multi-Threading, and key components of the Spring framework such as Spring Core, Beans, **JDBC**, Transaction, and Batch. The application seamlessly interfaced with an Oracle database, and the build and dependency management were orchestrated through Maven, ensuring a streamlined and efficient development process.
* Formulated and executed the design and implementation of objects, employing Object-Oriented Design principles within the Java environment.
* Executed application development with the **Spring Framework**, adhering to the **MVC** Design pattern.
* Leveraged Hibernate Query Language (**HQL**) and Criteria-based queries extensively for Oracle Database interactions.
* Designed user interface components by utilizing a comprehensive stack of technologies, including JSP, **HTML**, **XHTML**, **XSLT**, **jQuery**, **AngularJS**, **and JavaScript.**
* Employed Java 8 extensively to facilitate parallel operations on collections, leverage multithreading capabilities, and implement highly effective sorting mechanisms. This encompassed a thorough utilization of the advanced features offered by Java 8, enhancing the efficiency and performance of the codebase through parallel processing and optimized sorting techniques.
* Constructed a RESTful architecture by developing a Node.js server on the backend, proficiently managing and responding to requests initiated by front-end **jQuery** Ajax calls. This implementation facilitated seamless communication between the server and client, ensuring efficient data exchange and a responsive user experience.
* Retrieved user details from external applications by employing **OAuth** authentication, ensuring secure and seamless access to third-party resources with the user's consent.
* Effectively oversaw project dependencies and orchestrated build processes utilizing the Maven build management tool.
* Effectively employed the Java Message Service (**JMS**) to facilitate dependable and asynchronous communication, ensuring reliable and efficient exchange of information within the application.
* Implemented pipelines by integrating Jenkins and executing custom **shell** **scripts**. This streamlined and automated the deployment process, ensuring a seamless and efficient workflow for consistently delivering software updates and enhancements.
* Managed software version control utilizing **SVN** (Subversion) and the deployed applications on the Apache **Tomcat** Server.
* Implemented a sophisticated logging mechanism by integrating the **Log4j** framework, fortifying the application's capability to systematically record and manage log information.

**Environment**: Spring MVC, DAO, DTO, JIRA, Spring IoC, Spring Boot, JDBC, Spring Framework, HQL, HTML, XHTML, XSLT, jQuery, AngularJS, and JavaScript, jQuery, Oauth, JMS, SVN.

**Digital Marketing INC, Dallas TX. | Java Developer | Aug 2013 – Dec 2016**

**Roles & Responsibilities:**

* Utilized core Java features (Collections, Generics, Exception Handling, and Design Patterns) for various functionalities, including portfolio summaries and user information.
* Developed **JSPs** to implement business logic and utilized **JavaBeans** for data retrieval.
* Contributed to the development and maintenance of Java applications, demonstrating proficiency in Java programming.
* Interfaced with the Oracle Database backend using the **Hibernate** framework.
* Utilized **JMS** to implement asynchronous communication and messaging patterns between distributed components.
* Executed pivotal optimization techniques for the database design within the application, contributing significantly to its performance enhancement and efficiency.
* Wrote conversion scripts using **SQL** stored procedures, functions, and packages to migrate data from SQL Server database to **Oracle** database.
* Implemented a diverse range of business process methods essential for the creation of web services associated with both customer and provider information, utilizing Java API for **XML** Web Services (**JAX-WS**), **SOAP** (Simple Object Access Protocol), **WSDL** (Web Services Description Language), and Java API for RESTful Web Services (JAX-RS) to develop RESTful web services.
* Engaged in the implementation of authentication and authorization checks through the utilization of encryption and decryption techniques, employing methods such as Public/Private key mechanisms to enhance the security and access control measures within the system.
* Executed the deployment of the application, packaged as an Enterprise Archive (**EAR**), onto the Weblogic Application Server by utilizing the Eclipse Integrated Development Environment (**IDE**).
* Executed comprehensive testing procedures, combining the utilization of **JUnit** for both Unit Testing and integration testing and seamlessly integrated these tests into the Continuous Integration pipeline using Jenkins.
* Demonstrated flexibility and adaptability in responding to evolving client requirements within the **SCRUM** framework.
* Designed, implemented, and maintained **SOAP**-based web services, actively participating in comprehensive Web Services Testing using SOAP UI, and offering valuable support for maintenance and bug fixes.
* Continuous integration and automated builds were implemented using **Bamboo**, guaranteeing a constant code quality and a quicker development process.
* Created **servlets** to handle HTTP requests and answers, improving the web application's capabilities and interaction.
* Enhanced the technological sophistication and user engagement of the platforms by seamlessly integrating dynamic and interactive multimedia content into web applications through the use of **Java** **applets**.
* Developed reliable web services that facilitate smooth data exchange and communication between the application's many components by utilizing technologies like **REST** and **SOAP**. This made it possible for various components to perform more smoothly and integrate more effectively.
* Improved teamwork and communication by integrating the **IP** **center** with the project management application. Efficiency gains in project planning and execution are achieved through the integration of IP center capabilities that facilitate resource management, reporting, and project tracking.

**Environment:** Core Java, Java, JSP, JavaBeans, JDBC, Hibernate, XML,EAR, Oracle, SOAP,REST, Bamboo, Java applets,Servlets, JUnit, Jenkins, Weblogic, Eclipse, IP center,SQL.