Vamsi Krishna
Java Developer
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EXECUTIVE SUMMARY:

- Around **5+ years of IT experience** in all the phases of Software Development Life Cycle (**SDLC**) including requirement Analysis, Design, Implementation and Product Testing in both the Web based and Enterprise applications with emphasis on Object Oriented, **Java/J2EE** and Client Server technologies.
- Strong experience with Software methodologies like **Agile, Waterfall** and Test-Driven Development.
- Experience working with **Java 8 Lambdas**, **Functional Interfaces**, and integrated **Stream API** into the **Collections API**, to perform **bulk** operations on collections.
- Extensive experience working in **Spring 4.0/5.0** framework, Object Relational Mapping **Hibernate, Spring Data JPA** framework and **web services**.
- Experience using **Spring MVC, Spring Boot , Spring DAO, Spring Data, Spring IOC Container, Spring Annotations, Spring AOP, Spring Transactions and Spring Security**.
- Experience in working with **Restful Web Services** and implementing **REST APIs** in numerous GOF Design Patterns like **Singleton**, Factory, Session Facade, **MVC 5.2/5.0,** Data Access Object, **UML** and Enterprise Application Integration.
- Expert in **Core Java** with strong understanding of **Collections**, **Multithreading**, **Event handling**, **Exception handling** and **Generics**.
- Expertise in design and development of **Microservices** based **Cloud Native** systems using **Spring Boot**, **Spring MVC Rest services**, **Spring cloud APIs** like **Netflix Eureka Server**, **Config Server**, **Hystrix** dashboard, **Circuit Breaker.**
- Expertise in architecting and implementing **microservices** solutions. Proficient in leveraging technologies such as **Eureka server**, API gateway, and config server to create robust and scalable systems.
- Build stable **React** components and stand-alone functions to be added to any future pages.
- Experienced in **implementation of JMS** to exchange information over reliable channel in an asynchronous way by using **Active MQ, Rabbit MQ**, **and Kafka** as message queue.
- Experienced in containerizing applications using **Docker** and deploying them on **OpenShift**, leveraging Kubernetes orchestration for efficient scaling and management.
- Developed Docker containerization strategies to encapsulate **microservices**, enhancing deployment efficiency and enabling rapid scaling
- Designed, Developed and Executed executing **automated test scripts** to ensure application functionality and performance.
- Collaborated on the implementation of the backend server app. worked with **NodeJS**, **CORS**, **Redis**.
- Experience in working with the **NoSQL** Database like **Cassandra DB** and **MongoDB** to manage extremely large data sets.
- Continuously improve the user authentication experience by optimizing **OIDC** workflows and interfaces, ensuring smooth and user-friendly interactions during the authentication process.
- Used JQuery, JavaScript Promises for data manipulation, data traversing, form validations, create the content on the fly depend on the user request. Accomplished Workload Management by creating Clusters.
- Worked on implementing full life cycle of software development process (**SDLC**) in using version control tools like Rational **Clear Case**, **Tortoise SVN**, **CVS** (**Concurrent Version System**).
- Hands-on experience working with Continuous Integration (**CI**) build-automation tools such as **Maven, SVN, CVS**, **Jenkins,** and **Apache Ant**.
- Utilized **YAML** for managing **Kubernetes** configurations, including **deployments**, services, and ingress resources.

TECHNICAL SKILLS:

Languages	Java 8, Java 11, Java 17, J2EE, SQL, PL/SQL, NoSQL, JavaScript, TypeScript
Frame Works	Spring5.0/4.0, Spring MVC, Spring Boot, Spring Cloud, Hibernate, Spring Security, jQuery, Angular, React, Express
Web/Application Servers	Tomcat, WebLogic, IBM WebSphere, JBoss , JAX-WS (SOAP), JAX-RS (REST, REST API), WSDL
AWS	EC2, RDS, S3, ELB, EBS , Elastic Stack
Build Tools	Maven, Gradle
Messaging Services	Apache Kafka, JMS, Active MQ, Rabbit MQ, Confidential MQ
Databases	MYSQL, MongoDB , MS SQL Server, Oracle , DB2, Sybase and Cassandra

Operating Systems	Linux, Windows, Unix
Version Control	GIT, CVS, Clear case, SVN, Maven, JIRA
Methodologies	Agile Methodology, Waterfall Methodology
Other Tools	YAML, Postman, Jenkins (CI), Log4J, Docker, Kubernetes, Automation Testing, Database Testing Selenium, JMeter

PROJECT EXPERIENCE:
Client: VF Corp
Implementation Partner: Ergon ITech
Duration: Nov - 2023 to Present
Role: Java Developer

Responsibilities:

- Worked with **Spring Boot** framework at Business Tier and uses **spring** container for initializing services and used **Spring core** annotations for Dependency Injection such as Bean, Component, Repository, Auto wired etc.
- Worked with **Spring Boot Web** framework with **Hibernate** to map to **Oracle** database and mapping using **Hibernate**
- Automated database testing workflows to ensure accurate backend functionality.
- Created various unit test cases and integration tests for the **DAO**, **Service**, and Controller components using **JUnit**, and **Spring** test support.
- Developed the **DAO** layer for the existing applications using **spring**, **Hibernate** and developed various business logic and reports using **HQL** and **Hibernate** Criteria.
- Developed and maintained **YAML** configuration files for defining application settings, deployment configurations, and CI/CD pipelines.
- Orchestrated service registration, discovery, and health monitoring using **Eureka server**, ensuring seamless communication and fault tolerance within distributed systems.
- Designed and implemented **API gateways** to serve as unified entry points, efficiently routing requests, enforcing security protocols, and optimizing performance through load balancing mechanisms.
- Managed centralized configuration repositories using the **config server**, facilitating dynamic updates and environment-specific configurations while upholding rigorous **security standards** and **encryption** practices.
- Designed and implemented **OAuth2-based authentication and authorization** mechanisms to secure microservices and RESTful APIs, ensuring robust access control and enhanced security. Integrated third-party OAuth2 providers to enable **Single Sign-On (SSO)** for a seamless user experience.
- Configured and managed **Okta** as the central Identity and Access Management (IAM) solution, streamlining user authentication and authorization processes. Developed custom integrations with **Okta APIs for user provisioning, Single Sign-On (SSO), and Multi-Factor Authentication (MFA) to enhance security and user experience**.
- Worked on **CI/CD** deployment pipeline using **Git**, **Atlassian Bamboo**, **AWS ECR**, **Harness**, **Docker** containers and Rancher for managing **Kubernetes** clusters.
- Consumed APIs in the frontend using **React.**
- Implemented Reusable components using **React.**
- Integrated **test automation** with CI/CD pipelines for streamlined testing processes.
- Used **Selenium WebDriver** to automate browser interactions and validate UI functionality.
- Created reusable **Selenium** frameworks for scalable and maintainable test scripts.
- Consumed **Restful** web services using **apache Http** Client for the data coming from external systems designed, developed and migrated custom **MongoDB** applications specific to client needs.
- created and executed API test cases using **Postman** collections and environment variables.
- Worked with **JIRA** for project management, tracking and monitoring errors reviewing the Database Schemas across the different domain. Worked on the Integration of the **Code** and deliver the **build** to **UAT** Team.

Environment: Java 11, J2EE, Spring 5.0, Spring Boot, Spring MVC, Hibernate, Microservices, REST, swagger2, REST API, XML, PL/SQL2.3, PostgreSQL, CI/CD, MongoDB, Kubernetes, Splunk, Apache Kafka, Docker, JAX-RS, JUnit, Mockito, SCDF, Jenkins.

Client: Morgan Stanley
Implementation Partner: TCS
Duration: Jan - 2020 to Feb - 2022
Role: Java Developer

Responsibilities:
- Requirement Analysis and documentation as per **SDLC** Methodologies using Agile Methodology (**SCRUM**) for gathering the Requirements, Design, Analysis, Development, Data Validation and System Testing.
- Implemented **Spring Boot** with **Microservices** to divide the application into various orchestral applications generated **REST APIs** using **JAX-RS** implementation and created **RESTAPIs** like **POST**, **GET**, and **PUT** etc. from **scratch**.
- Implemented **Spring** Retry based on **Hystrix** circuit breaker fall back response designed web applications using technologies like **NodeJS** and tool Web Storm.
- Designed and implemented the application using JSP, **Spring MVC**, **Spring** Annotations, **Spring Transactions**, **Spring MVC**, **Hibernate** and **JDBC**. Used **Spring** Framework for Dependency Injection
- Used **Spring IOC/Dependency** Injection extensively **Spring MVC** and **Spring Security** for configuring crosscutting concerns like logging, security.
- Automated API testing with **Postman** scripts using JavaScript for validations and workflows.
- Implemented security standards for applications using **Spring security** powered by **OAuth** and worked on various solution to stop security issues like **XSS**, **CSRF**, **CORS** designed web pages using **JSP**, **AJAX**, **HTML5**, **CSS3**, **JavaScript**, **XML**.
- Implemented **microservices** using **Spring Boot**, **Spring Cloud**, **Spring Microservices**, and enabled discovery leveraging **AngularJS** resources for all data access, encapsulating **URLs** and standardizing data access.
- Responsible for migrating existing modules in **IBM MQ** to Apache **Kafka** and worked on creating **Kafka** adaptors for decoupling the application dependency **Dynatrace** for performance metrics and finding the root cause analysis.
- Developing **scripts** for build, deployment, maintenance and related tasks using **Jenkins**, **Docker**, **Maven**, and **Bash**.
- Used **Log4j** to capture the log that includes runtime exception and for logging info and are helpful in debugging the issues developed **GIT** controls to track and maintain the different version of the project.

Environment: JDK 1.8, J2EE, JSP, CI/CD, Microservices, Spring, Spring MVC, Spring Boot, Spring Batch, Spring IOC Container, Spring AOP, Jenkins, Kubernetes, Apache Kafka, tomcat server, MongoDB, WebSphere, JPA, Docker, Hibernate, Maven, REST, REST API, Eclipse, JUnit, OAuth2.0, GIT, Log4J, Agile methodology.

Client: PNC, India
Implementation Partner: TCS
Duration: April - 2018 to Dec - 2019
Role: Java Developer
Responsibilities:
- Involved in design, development and testing of the application used both agile and waterfall model for application development extensively use **hibernate** for mapping files.
- Developed **J2EE** Architecture was implemented using **Spring based** on the **MVC** pattern client interaction for any new Functionality and monitoring request analysis.
- Participated in daily **stand-up SCRUM** agile meetings as part of the **AGILE** process for reporting the day-to-day developments of the work done.
- Extensively used **Spring Restful** web services for designing the endpoints applied Multithreading **Spring MVC** on data export to reduce process time.
- Optimized AWS cloud infrastructure for performance, scalability, and cost-efficiency. Implemented best practices for cloud architecture, including the use of AWS auto-scaling, load balancing, and monitoring services like CloudWatch and CloudTrail.
- Developed view pages and **JavaBeans** (**JSP**, **JavaBeans**, **and HTML**) and also developed **GIT** controls to track and maintain the different version of the project.
- Developed system to access to legacy system database (**JDBC**) database tables, stored procedures, and functions and wrote user manuals and other training material.

Environment: JDK 1.6, J2EE, Spring, Spring Boot, Microservices, JDBC, XML, Oracle, JSP, Spring MVC, Hibernate, REST, REST API, MVC, EJB's, JBOSS 4.0, WebLogic, MySQL, Junit.

Education Details:
- Bachelors in Mechanical Engineering – Gokaraju Rangaraju Institute of Engg and Tech – 2014 – 2018
- Masters in Engineering – Oklahoma Christian University – Nov – 2023

Git: https://github.com/vkr1162