**Vivek K**

***Full Stack Java Developer***

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**PROFESSIONAL SUMMARY**

* Highly skilled and dedicated Java full-stack developer with 9+ years of experience in designing, developing, and delivering robust and scalable web applications. Seeking a challenging role where I can utilize my expertise in Java, JavaScript, HTML/CSS, and related technologies to contribute to the success of an innovative and dynamic organization.
* Excellent design and programming skills in Java/J2EE, JavaScript, Struts, Spring, Angular JS, Node.js Java Mail, EJB, Web services, JSP, JDBC, XML, XSD, XSLT, RMI, XML Parsers (DOM and SAX), JAXP, JAXB, Maven, Log4j, Junit, Java Beans, JNDI, SQL, PL/SQL, Oracle, Tomcat, JBoss, Sybase.
* Experienced in creating single-page applications (SPA) using the Angular JS framework.
* Extensive experience in developing web applications using Spring Boot, Spring Security, Spring Core, Spring MVC, Spring AOP, Spring Actuator, Spring ORM, Spring JPA, and Spring REST.
* Extensive experience in Application Software Design, Object Oriented Design, Development, Documentation, Debugging, Testing, and Implementation.
* Experience in developing RESTful web services such as Microservices using Spring Boot for the customers to consume data.
* Developed DAO implementation using Hibernate Template from Spring with Hibernate API.
* Used Spring ORM module for integration with Hibernate for the persistence layer.
* Developed POJO objects and used Hibernate as the Object-Relational Mapping (ORM) tool to access the persistent data from SQL Server.
* Expertise in developing applications using Java, J2EE Standards, Servlet Programming, EJB, JSP, Struts, Spring, JDBC, JMS, JNDI, XML, UML, ANT, Hibernate, Oracle, SQL Server, MVC Architecture, Web Services, AJAX, Maven, SOAP, HTML, LOG4J, JavaScript
* Involved in writing Hibernate Query Language (HQL) for the persistence layer.
* Designed, developed, and maximized developer productivity by using IntelliJ's idea to become the first IDE to offer automated code refactoring.
* Developed different modules using J2EE (Servlets, JSP, JDBC, JNDI)
* Implemented the Model View Control (MVC) design pattern with Struts, JSP, and Servlets to control the flow of the application in the Presentation/Web tier.
* Extensive experience in developing JAVA-based applications using JAVA, JEE, JDBC, EJB, Servlets, JSP, JSF, JMS, and Web services.
* Implemented the applications using Java object-oriented principles, Multithreading, and Generics.
* Worked on Core Java concepts such as OOP Concepts, Collections Framework and Exception Handling, File I/O, and concurrency.
* Used Java 8 features in developing the code like Lambda expressions, creating resource classes, and fetching documents from the database.
* Extensive working with Amazon web Services like using Elastic Beanstalk, EC2 , and AMI with Linux.
* Worked on Core Java and its libraries in creating the Java/J2EE web application's business Logic.
* Experience in developing applications using web/application servers like WebSphere, WebLogic, JBoss, and Apache Tomcat.
* Involved in building and deploying Apache ANT/ MAVEN scripts for deployment and customizing WAR/ JAR file management for web applications
* Developed use case diagrams, class diagrams, and database tables, and provided mapping between relational database tables and object-oriented Java objects using Hibernate.
* Used Oracle, SQL Server, MongoDB, and Cassandra as databases and was involved in the development of PL/SQL backend implementation.
* Experience in RDBMS technologies like Oracle, MySQL, and Postgres using Functions, Triggers, and Stored Procedures and involved in the activity of complex query Servers
* Deployed Spring Boot-based microservices in Docker and Amazon EC2 container using Jenkins
* Hands-on experience in Amazon Web Services (AWS) provisioning and good knowledge of AWS services like EC2, S3, Elastic Beanstalk, RDS, and SQS.
* Strong experience with JUnit for unit testing.
* Good exposure to using IDES like Eclipse, IntelliJ, Net Beans, Sublime Text, and in-build tools like Maven, Gradle, and logging tools like Log4J.

**EDUCATION**

* B Tech in JNTU2012.

**TECHNICAL SKILLS**

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| Languages | Java (J2SE/11/1.8/1.7, J2EE 6/5), SQL, C, Python. |
| Software Methodologies | Agile, Scrum, SDLC Waterfall |
| Web Technologies | HTML, JavaScript, AJAX, Bootstrap, JSON, Angular12, React JS, Node JS. |
| J2EE Technologies | Java Beans XSD, JAX-RS, JAX-WS, SOAP, WSDL. |
| Web Service Frameworks | Spring 4.3, Hibernate 4.3, Struts (2.5/2.3), Spring MVC, Spring IOC, Spring Boot, Spring AOP. |
| Web Services | SOAP, RESTful |
| Testing Tools/Others | JUnit, Mockito, Log4J, Postman |
| Version Control Tools | GIT, GITHUB 2.12.0, SVN, Bit Bucket. |
| Build Tools | Maven 3.3.9, Ant 1.10, Gradle 3.4.1, Jenkins |
| Application / Web Servers | Web Logic Server 12c, Apache Tomcat (8.5/8.0), Apache HTTP Server, JBoss |
| IDE Tools | Spring Tool Suite 3.8.3, Eclipse, IntelliJ IDEA 2017.1, Net Beans |
| Operating Systems | Windows, Linux, Unix, Mac OS. |

**PROFESSIONAL EXPERIENCE**

***Client: City of Philadelphia, Philadelphia, PA June 2022 to Present***

***Role: Full-stack Java Developer***

***Responsibilities:***

* Played a key role in the entire software development life cycle, including requirement gathering, analysis, design, development, and testing, following Agile methodology.
* Developed the user interface using modern technologies such as HTML5, CSS3, Typescript, JavaScript, jQuery, AJAX, JSON, Angular JS, REDUX, Node JS, and Bootstrap.
* Set up robust CI/CD pipelines using Jenkins, Bit Bucket, GitHub, Maven, Nexus, and VSTS for efficient development and deployment processes.
* Utilized GIT for version control and Sublime Text as the primary IDE for application development.
* Extensively used React-Router Techniques Axioms service for synchronous data retrieval.
* Created components, directives, pipes, modules, and services for various modules.
* Expertise in AngularJS controllers, directives, factories, services, routing, and DOM manipulation using JavaScript, jQuery, and AngularJS.
* Proficient in MEAN (MongoDB, Express, Angular, and NodeJS) Stack application development.
* Implemented module-wide routing using Angular router and created various Route guards.
* Utilized Angular HTTP services for backend REST operations.
* Implemented both reactive and angular forms modules for template and data-driven forms.
* Integrated REDUX architecture with Angular for unidirectional data flows.
* Implemented Lazy loading for modules and used Angular CLI for application creation and production-ready code.
* Designed and developed a web application using Spring Boot, Hibernate, MVC framework, and RESTful APIs.
* Conducted testing of RESTful web services using Postman and Apigee.
* Developed cloud-hosted web applications and REST APIs using Spring Boot with embedded Tomcat.
* Integrated ActiveMQ and Spring JMS API for message handling in the application's Restful API.
* Designed and developed custom message adapter components using Apache Kafka for Microservices communication.
* Secured REST APIs with OAuth2 token-based authorization using spring security.
* Conducted tests for Angular JS applications using Jasmine and Angular test beds, running test cases on the Karma platform.
* Used Spring for Dependency Injection and implemented Hibernate ORM for mapping Java classes and database tables.
* Applied Java Persistence API (JPA) along with Hibernate Framework for test classes.
* Developed various modules of the application using J2EE design architecture and frameworks like Spring MVC and Spring Bean Factory with IOC and AOP concepts.
* Utilized Microservices architecture with Spring Boot for RESTful services.
* Implemented event notifications and messaging capabilities using AWS SNS and SQS.
* Developed and implemented a framework to consume web services in Amazon EC2 instances.
* Leveraged Amazon RDS to host Oracle 11g as a database for the application.
* Developed APIs for Amazon Lambda to run code in AWS.
* Configured AWS Identity and Access Management (IAM) Group and users for enhanced login authentication.
* Used Amazon CloudWatch to monitor resources like EC2, Amazon RDS, Dynamo DB, and EBS volumes.
* Written Maven scripts for compiling, building, packaging, and deploying WAR files.
* Utilized Jenkins for Continuous Integration and Deployment (CI/CD).
* Deployed code using Apache Tomcat as an application server.
* Introduced Restful Web Services for data access from the client side in a Microservices architecture.
* Implemented several test cases using the JUnit framework.
* Used Log4j to capture logs, including runtime exceptions and debugging information.
* Managed configuration using GitHub for version control.
* Actively participated in code reviews and was responsible for fixing bugs.

**Environment**: HTML5, CSS3, Java, JavaScript, jQuery 3.6.0, Bootstrap, JSON, Angular JS, Angular-CLI, AJAX, Jasmine, REDUX, Karma, Spring, REST, Spring Boot, Hibernate, Microservice, JPA, RESTful, Amazon (EC2, RDS, Lambda, IAM, Cloud Watch, SQS, SNS), Tomcat, Maven, Jenkins, Kubernetes, Log4J, GitHub, JUnit, jQuery, Oracle 11g, Eclipse.

***Client:*** ***Met Life – Dallas, TX Jan 2021 - May 2022***

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

***Responsibilities:***

* Designing and programming system-level software, especially for microservices-based APIs and API endpoint implementation.
* Expertise in Java programming language, utilizing the latest features and improvements introduced in Java 11.
* Experience in creating and managing modular applications using the JPMS, allowing for better organization and maintenance of codebases using java11.
* Knowledge of Java 11's security enhancements, including TLS 1.3 support and the removal of outdated cryptographic algorithms.
* Successfully migrated legacy applications from earlier Java 8 to Java 11, addressing compatibility issues and leveraging new features.
* Cloud native frameworks (specifically pivotal technologies), database systems, and relevant programming languages.
* Implemented Router Module of Angular 11 to make the whole project a single-page application and add routers according to the requirements.
* Worked on some of the new features of Angular 11 like new if else syntax, ng-templates, form validators, routers, etc.
* Designed and implemented Azure Infrastructure as a Service (IaaS) and Platform as a Service (PaaS) solutions, enhancing system scalability and reliability.
* Managed Azure Active Directory (AD) for identity and access management, improving security and compliance across the organization.
* Developed Azure Logic Apps for automating workflows, resulting in a 40% reduction in process turnaround time.
* Worked on Angular11 CLI to deal with troubleshooting and deal with the Angular11 virtual environment bugs.
* Works with other agile team members, and interacts with onshore Technical Lead and offshore Product Owners to assess and help refine/elaborate backlog requirements and success criteria during implementation.
* A strong understanding of the Spring Framework and building software for the cloud.
* Spring Integration (with a specific focus on) Async Channels, Global error handling, HTTP Outbound gateway

Spring Cloud Config Server.

* Designed and developed user interfaces using Spring MVC Framework, Spring Boot, Hibernate, JSP, HTML5, CSS3, JavaScript, Angular JS, and React JS.
* Experienced with spring framework applications like Spring Core, Spring AOP, Spring MVC, Spring Batch, Spring Security, and Spring Boot and did integration to Microservices into the existing system architecture.
* Using REST APIs with JAX-RS to consume Web Services, to handle two interfaces, XML and JSON.
* Developed REST services using Spring Boot, and Spring REST and was involved in
* Exposed the application using Rest Web service, developed HTTP post, got methods based on requirements, and handled the errors using HTTP status codes. Used Postman API to test REST API output data.
* Worked on Meter for load balancing and performance testing, and clustering technologies through Kubernetes.
* Expertise in Apache Kafka message implementations and their integrations with the systems.
* Worked on associated REST tools such as Swagger, Postman, and SOAP UI testing HTTP Requests and responses.
* Developed system integration test to verify the code running in its functional environment.
* Responsible for creating web-based applications using Node.js, and Redux workflow.
* Validating the Application by Deploying and testing on JBoss Server.
* Used Spring Batch for scheduling and maintenance of batch jobs. Deployed the application in various environments DEV, QA, and Production.
* Design and deploy new features to streamline all the manual operations.
* Track burndown, issues, and progress.
* Work with component teams to resolve issues.
* Closely worked with the Kafka Admin team to set up Kafka cluster setup on the QA and Production environments.
* Knew Kibana and Elastic search to identify the Kafka message failure scenarios.
* Extensive experience in deploying, managing, and developing MongoDB clusters. Experience in creating JavaScript for using DML operation with MongoDB.
* Automated Cassandra Builds/installation/monitoring etc.
* Designed and developed the REST-based Microservices using the Spring Boot.
* Created RFP Micro service to provide RESTful API utilizing Spring Boot with Microservices.
* Working Knowledge in EC2 by creating snapshots, volumes, and security groups for public and private instances.
* Designing and developing Restful API and services using best practices to interact within the Microservices and with the front end.
* Using spring MVC and spring rest.
* Performed Angular 11 end-to-end testing using Protractor framework and Integration testing methods and Behavioral driven are implemented using Selenium and Cucumber respectively.
* GIT used for defects, and change tracking across the application.
* Wrote Junit test cases and ANT as a build tool for the services and prepared documentation.
* Involved in functional testing of the application and tested Java applications using Functional Testing, JBoss, and Log statements.

**Environment**: Java8/11, REST, Microservices, SOAP, XML, Angular 11, Spring, Spring Boot, Spring MVC, Docker, Confluence, Git, Jenkins, Kubernetes, Maven, Kafka, Meter, JBoss, Apache Tomcat, Active Mq, Splunk, POSTMAN.

***Client: BMO USA, Chicago, IL Jun 2018 – Dec 2020***

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

***Responsibilities:***

* Designed Use Case Diagrams, Class Diagrams Sequence Diagrams, and Object Diagrams, using IBM Rational Rose and RUP.
* Design and implement the backend layer using Hibernate.
* Developed the application front end and validations using Java Server Faces (JSF).
* Develop named HQL queries and Criteria queries for use in the application.
* Used Spring MVC architecture with Hibernate to implement DAO code and used RESTful Web Services with XML parsing to interact with other modules.
* Used spring container for the data source and to load the Hibernate-specific classes.
* Used the Hibernate framework in the persistence layer for mapping an object-oriented domain model to the Oracle database.
* Used Microservices to communicate using synchronous protocols HTTP and REST.
* Developed Restful web services by using JAX-RS [JERSEY] for integrating multiple systems, created, and read the JSON objects by using JACKSON libraries.
* Utilized Amazon S3 for scalable and cost-effective object storage, enabling efficient data storage and retrieval.
* Experience in designing and implementing messaging systems using RabbitMQ.
* Used Apache Kafka for building real-time data pipelines and storing the data in a distributed cluster.
* Configured Java objects with backend database tables using ORM mapping in Hibernate.
* Configure and monitor numerous MongoDB instances and replica sets.
* Led the migration of on-premises data centers to Google Cloud Platform (GCP), enhancing system scalability and reducing operational costs by 30%.
* Implemented and managed robust GCP solutions, including Compute Engine, App Engine, and Kubernetes Engine, improving system reliability and performance.
* Developed and deployed cloud-native applications on GCP using Google Cloud Functions, resulting in a 25% increase in deployment efficiency.
* Created and Designed XML schemas and transformed the XML to an XSLT style sheet.
* Implemented various design patterns in the project such as Data Access Object, Data Transfer Object, and Singleton. Developed a web-based application using Spring Boot and React that was deployed to a GitHub repository.
* Leveraged GitHub's issue-tracking and project management features to organize tasks, track progress, and ensure effective team collaboration.
* Deployed the application to GitHub Pages, allowing stakeholders to access and interact with the application online.
* Expertise in using CSS3, HTML5, React, TypeScript, ES6, JavaScript, JSON, and jQuery to create UI web pages.
* Developed user interface by using React JS, and Flux for SPA development, also used React forms for data-driven form components and React router to define module-level routing.
* Used ReactJS to capture user actions and render the relevant action, as well as dynamically render the UI based on user actions.
* Implemented various routing mechanisms in the webpage using React JS.
* Experienced with several Docker components like Docker Engine, swarm, creating Docker images, and Docker Registry, Kubernetes is configured for automating deployment, scaling, and management of containerized applications.
* SSO implementation along with service authentication services.
* Developed RESTful web service at the back end by using Node.js and Express.js
* Services are migrating to Camel and deploying to the Kubernetes cloud environment using the CI/CD pipeline.
* Implemented Initial setup and component migration to Redux.
* Used MongoDB along with Node.js, as a database to store JSON.
* Used Node.js to offer an easy and safe way to build high-performance and scalable network applications.
* Worked on UNIX Shell scripts and setting up the corn jobs.
* Designed structures for Mongo Datastore and processing JBoss Drools as a rule engine. Investigate, debug, and fix potential bugs or defects in the implemented code.

**Environment:** Java, JavaScript, Microservices, JSP, Spring, Bootstrap, Typescript, React JS, Node.js, Restful, SOAP, jQuery, SSO, Hibernate, JPA, Docker, Kubernetes, RabbitMQ, GCP, Log4J, Maven, JUnit, Mockito, JIRA.

***Client: Doller Tree – New York, NY Jan 2016 – May 2018***

***Role: Full stack Java Developer***

***Responsibilities:***

* Involved in the software development life cycle (SDLC) of the tracking systems Requirements gathering, Conceptual Design, Analysis, Detail Design, Development, System Testing, and User Acceptance Testing.
* Created collaboration diagrams, class diagrams, activity diagrams, and use case scenarios.
* Participated in technical and high-level design review meetings with business customers.
* Used WSDL and SOAP for the development of XML-based applications.
* Used JAXB for XML marshaling and unmarshalling. Worked with Oracle 10g database.
* Used JDBC to persist Java Objects into the database.
* Involved in writing complex SQL queries and developed Stored Procedures to populate the database.
* Created a plan for ensuring business continuity specifically for the SQL Server Databases, making use of JDBC drivers.
* Debugged Java classes used to modify web pages such as Business Objects and Data Access Objects.
* Utilizing HTML for web page design and Servlets and JDBC for query processing facilitation.
* Involved in daily scrum meetings and worked on the sprint tasks in Agile Scrum development.
* Used Servlets as an interface between the front and backend to handle HTTP requests and to send the response back to the front end.
* Utilized various utilities for User Interfaces like JSP, JSTL, JavaScript, HTML, CSS, jQuery, and Ajax.
* Maintained SVN repositories for branching, merging, and tagging.

**Environment**: Java 1.5, J2EE, JDBC, Servlets, XML, JAXB, HTML, CSS, JSP, JSTL, JavaScript, jQuery, Ajax, PL/SQL, Oracle 10g, JAXB, WSDL, SOAP, Log4j, JUnit, SVN.

***Client: Think analytix Inc – Hyderabad, India Jun 2013 to Dec 2014***

***Role: Java developer***

***Responsibilities:***

* Developed UI screens using JSP, HTML, CSS, and JavaScript.
* Worked on JSP, Servlets, Struts framework, and production support issues of the existing applications.
* Development of Action Forms, Action Servlets, Action and Validating Action Forms in Struts framework.
* Implemented Struts Dispatch Action class and form bean classes using struts framework.
* Client & and server validations were handled using JavaScript & Struts validate plug-in.
* Worked on the JAVA Collections API for handling the data objects between the business layers and the front end.
* Implemented Multithreading for handling multiple requests and for high performance.
* Created many Stored procedures and scheduled jobs to support our applications to create reports for customers.
* Build and maintain SQL scripts, indexes, and complex queries for data analysis and extraction.
* Develop a business continuity plan for the SQL Server Databases using JDBC drivers.
* Used spring for Dependency Injection for plugging in the Hibernate DAO objects for the business layer.
* Created an XML configuration file for Hibernate to map to SQL DB.
* Developed web services for sending and getting data from different applications.
* Used JDBC to access the Oracle database for accessing customer information.
* Used ANT-built tool for compiling and generating war files.

**Environment:** Core Java, HTML, CSS, J2EE, JSP, HTML, JavaScript, Servlets, JMS, Hibernate, JDBC, SQL, DAO, Web Services, Oracle, ANT.