**Kumar S**

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**Sr. Java Full Stack Developer**

**Professional Summary**

* 8 years of SDLC expertise, spanning Design, Development, Implementation, Maintenance, Support, and Testing, ensuring end-to-end project success.
* Proficient in Java (JDK and JVM) with a strong OOP background, showcasing expertise in Core Java, Java Beans, J2EE, Spring, JDBC, XML, Web Services, and Design Patterns.
* Web development skills include HTML, CSS, jQuery, JavaScript, Angular JS, ensuring cross-browser compatibility for enhanced user experiences.
* In-depth knowledge of OOPS concepts, OOAD, UML, with hands-on experience in Core Java, including asynchronous programming, multithreading, collections, and design patterns.
* Expertise extends to SQL Queries, Stored Procedures, Triggers for Oracle, SQL Server, and DB2, contributing to efficient database management.
* Proficient in software configuration management using GIT and SVN, ensuring version control and collaboration efficiency.
* Well-versed in SDLC methodologies (Agile, Waterfall) and CI/CD tools for Cloud implementation (GCP & AWS), optimizing development workflows and deployment processes.

**Professional Experience**

**Sr. Java Full Stack Developer**

**The Home Depot Inc, GA June 2023 to Present**

**Responsibilities:**

* Demonstrated expert knowledge of Java17, JEE, Web Services, and APIs, showcasing proficiency in developing robust and scalable solutions.
* Enhanced retail app user experience, achieving a 20% increase in user engagement by designing responsive interfaces with HTML, CSS, and Angular.js.
* Created dynamic and cross-browser compatible pages using ES6, HTML5, CSS3, AJAX, jQuery and Bootstrap, resulting in a 30% increase in website traffic.
* Utilized Cassandra within Java projects to implement scalable, high-performance data storage solutions, ensuring high availability and fault tolerance for distributed systems.
* Directed response data from RESTFUL web services using XML, YAML, JSON and jQuery to update the user interface (UI) by interacting with Java controllers.
* Optimized Java backend performance by 30% through hands-on expertise in core constructs, Async programming, and utilization of the Spring framework.
* Improved security with OAuth and IAP token-based authentication, ensuring 100% secure access to backend services.
* Extensive experience with SOAP Services and RESTful APIs, utilizing JSON for lightweight data interchange to enhance interoperability.
* Expertise in Spring Boot Micro Services, Service Mesh, Spring Framework, and Open API Specification, ensuring the development of efficient and scalable applications.
* Hands-on experience with AWS/GCP cloud platforms, Kubernetes Grid, or equivalent managed Kubernetes runtime, facilitating cloud-based architecture.
* Expert skill in implementing API security using OAuth, SAML, JWT, and OpenID Connect, ensuring secure communication and data exchange.
* Advanced knowledge of Agile frameworks, including SAFe, fostering rapid and iterative development cycles to meet evolving business needs.
* Experienced in working with Distributed Databases such as MongoDB, ensuring efficient data management and storage.
* Strong background in relational databases such as Oracle, MS SQL, or Postgres, with the ability to manage and optimize database operations effectively.
* Skilled in troubleshooting and resolving technical problems, ensuring smooth operation and resilience of applications.
* Proficient in Apache Kafka for real-time data streaming and processing.
* Utilized software implementation and integration experience, along with working knowledge of Agile development lifecycle, CI/CD environments, and tools like Git, Docker, Kubernetes, and AWS/GCP cloud services.
* Proficient in Unit Testing and Test-Driven Development (TDD) using tools like Mockito and Junit, ensuring the delivery of high-quality, reliable code.

**Sr. Full Stack Java Developer**

**United Health group, Phoenix, AZ April 2022 to June 2023**

**Responsibilities:**

* Deployed Java backend applications and RestAPIs to Azure and GCP, achieving a 30% improvement in deployment efficiency.
* Implemented Kubernetes for automated deployment and scaling, streamlining containerized application management.
* Developed React applications with Redux for state management, resulting in a 25% increase in user engagement.
* Designed interactive UI pages with ReactJS, One-way data flow, Virtual DOM, JSX, and React Router, resulting in a 20% increase in user satisfaction.
* Developed React and Nodejs pages, Web services calls and AJAX calls for the application.
* Designed and implemented asynchronous programming techniques in Node.js, enhancing the efficiency of data processing and improving overall application responsiveness.
* Conducted performance analysis and optimization of Node.js applications, identifying bottlenecks and implementing solutions to improve overall system efficiency.
* Ensured code quality with SonarQube, resulting in a 25% increase in project code quality assurance.
* Wrote Junit test cases using Mockito, enhancing code reliability and achieving a 20% reduction in bugs.
* Demonstrated expertise in Core Java, implementing asynchronous programming, multithreading, and design patterns.
* Utilized Docker and Kubernetes, managing local deployments efficiently, and achieving a 30% increase in deployment speed.
* Developed and implemented Oracle PL/SQL stored procedures and triggers, contributing to efficient CRUD operations.
* Designed Java microservices, handling a high volume of requests, and conducted code reviews to enforce coding standards, ensuring 100% adherence to best practices.
* Developed the monolithic application and involved in migrating existing into Micro Service Architecture based RESTful.

**Full Stack Java Developer**

**Fifth Third Bank, Evansville, IN July 2020 to April 2022**

**Responsibilities:**

* Involved in various phases of SDLC, including requirements gathering, analysis, design, and implementation of the project, ensuring timely completion of project phases with adherence to timelines.
* Developed multiple modules in the project using agile methodology, improving development efficiency by 30%.
* Created detailed design documents, use cases, and class diagrams using UML, enhancing documentation accuracy.
* Enhanced applications with web features like AJAX for improved performance and customer satisfaction, resulting in a 20% increase in user engagement.
* Utilized jQuery for creating behavioral aspects of the web page, increasing interactive functionality by 15%.
* Used JavaScript for client-side validations and validation framework for server-side validations, reducing validation errors by 35%.
* Involved in UI development using HTML5, CSS3, JavaScript, jQuery, JSON, AngularJS, Bootstrap, and AJAX, improving UI responsiveness by 40%.
* Developed application using Spring Framework leveraging classical Model View Controller (MVC) architecture, enhancing application maintainability by 20%.
* Used the Dependency Injection feature of the Spring framework, reducing code coupling by 30%.
* Designed, developed, and maintained the data layer using Hibernate and performed configuration of Spring Application Framework, increasing data access efficiency by 25%.
* Worked on JMS messaging using HornetQ, improving message processing efficiency by 20%.
* Built backend REST API with Node.js and Express.js, enhancing API response time by 25%.
* Created proof-of-concept using responsive web design, Node.js, JS, HTML5, and CSS3, improving prototype delivery speed by 40%.
* Used D3.js for interactive data visualization, increasing data interpretation accuracy by 30%.
* Consumed RESTful Web Services for JSON/XML data using jQuery, AJAX, AngularJS, Ext JS, HTTP, and resource services, improving data consumption efficiency by 35%.
* Used JS frameworks such as AngularJS (for data-driven apps) and Backbone JS (for heavy DOM manipulation), increasing application scalability by 25%.
* Extensively involved in writing object-relational mapping code using Hibernate, developing Hibernate mapping files for configuring Hibernate POJOs for relational mapping, reducing mapping errors by 30%.
* Designed view pages using JSP, JSTL tags, HTML, JavaScript, and CSS, improving page load speed by 20%.
* Extensive experience in deploying, managing, and developing MongoDB clusters, including creation, configuration, and monitoring shard sets, increasing database availability by 35%.
* Managed MongoDB environment from availability, performance, and scalability perspectives, enhancing overall database performance by 40%.
* Implemented Log4J for logging errors, debugging, and tracking using loggers, appenders components, reducing debugging time by 25%.
* Used Rational ClearCase for version control and ClearQuest for bug tracking, improving version control efficiency by 20%.
* Used Jenkins to build and deploy code in Dev and SIT environments, reducing deployment time by 30%.
* Implemented JUnit testing framework to write and run automated tests, increasing test coverage by 40%.

**Java/J2EE Developer**

**Hudda Infotech Private Limited Hyderabad, India Sep 2017 to Jun 2020**

**Responsibilities:**

* Involved in all phases of the Software development life cycle (SDLC) using Agile Methodology.
* Gathering requirements, analyzing the project and creating use Cases and Class Diagrams.
* Created sequence diagrams, collaboration diagrams, class diagrams, use cases and activity diagrams
* using Rational Rose for the Configuration, Cache and logging Services.
* Designed and developed the project using MVC design pattern.
* Developed front end using Struts framework, business components using EJB's.
* Implementing Tiles based framework for application common page layouts.
* Created the web UI using Struts, JSP, Servlets, AngularJS, Ajax and Custom tags.
* Deployment of Application in the JBoss application server environment using ANT tool and Struts architecture with the JSP Client.
* The Java Transaction API (JTA), one of the Java Enterprise Edition APIs, enables distributed transactions to be done across multiple resources in a Java environment.
* Used JSP, JavaScript, JSTL, EL, Custom Tag libraries, Tiles and Validations provided by struts framework.
* Developed and deployed Session Beans and JPA Entities for database updates.
* Worked on parsing the XML files using DOM/SAX parsers.
* Used CDI to bind the lifecycle and interactions of Statefull components to well-defined but extensible lifecycle contexts.
* Implemented SOA architecture with WebServices using SOAP, WSDL, UDDI and XML using CXF framework tool/Apache Commons.
* Development of MQ application programs for Java JMS environments using queues and messages. Working with JMS Handling and managing exception conditions.
* Created database tables and implemented SQL Stored Procedures, triggers, and complex queries in MYSQL.
* Used CVS as source control.
* Written and debugged the ANT Scripts for building the entire web application.
* Involved in Configuration and Usage of Apache Log4J for logging and debugging purposes.
* Wrote Junit test classes for the services and prepared documentation.

**Java Developer**

**Brio Technologies Private Limited Hyd India July 2016 to Sep 2017**

**Responsibilities:**

* Involved in Development of master screens like Service Requests, Change Requests Screens.
* Design architecture following J2EE MVC framework.
* Developed interfaces using HTML, JSP pages and Struts -Presentation View.
* Developed Struts Framework and configuring web.xml and struts-config.xml according to the struts framework.
* Developed and implemented Servlets running under JBoss.
* Used J2EE design patterns and Data Access Object (DAO) for the business tier and integration Tier layer of the project; Developed Java UI using swing.
* Used Java Message Service (JMS) for reliable and asynchronous exchange of important information between the clients and the customer
* Designed and developed Message driven beans that consumed the messages from the Java message queue.
* Development of database interaction code to JDBCAPI making extensive use of SQL Query Statements and advanced prepared statement.
* Taken care of complete Java multi-threading part in back end components.
* Inspection/Review of quality deliverables such as Design Documents.
* Wrote SQL Scripts, Stored procedures and SQL Loader to load reference data.
* Used Web Services for interacting with a remote client to access data; Performed Unit Testing and Regression testing; Fixed the bugs identified in test phase; Used Junit for testing Java classes.
* Used Ant building tool to build the application.

**TECHNICAL SKILLS**

* **Programming Languages** - Python, Core Java, SQL, Javascript, Node.Js.
* **Database** - MySQL, PostgreSQL, Oracle, SQL Server, NoSQL, DynamoDB, MongoDB, Informix, Spanner DB, Cassandra.
* **Cloud** - AWS, AZURE, GCP, PCF, S3, Redshift, IAM, RDS, EC2, ECM, CloudWatch, Lambda, GKE, AKE, OpenShift, K8’s.
* **Orchestration/workflow** - Step function, Airflow, Autosys
* **Frameworks & Scripting**: JavaScript, TypeScript, Angular 14, React, Spring, Quarkus.
* **CI/CD & Version Control** - Maven, Jenkins, Ansible, Terraform, Git, Bitbucket, GitHub, DevOps, Docker, Team city.
* **Visualization** - Tableau, Looker Grafana, Cloudwatch.
* **Others** - Linux Commands, Splunk, CRM, GraphQL, Java Spring Boot, REST API, Microservice Architecture, Kubernetes, Apache Kafka, Pubsub, MQ’s.

**Education:**

* **Bachelor of technology in Computer Science – K L University** | Vijayawada, India | Graduated. **July 2012 - May 2016**