**SIREESHA**

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**PROFESSIONAL SUMMARY**

* **9+ years** of experience in all phases of the Software Development Life Cycle (SDLC) which includes Design, Implementation, Development, Testing, Integration, and Deployment of Enterprise Web-based applications using **Java/J2EE technologies**.
* Expertise in working with **Software Development Life Cycle (SDLC)** using various methodologies like **Agile Methodology (Scrum), and Test-Driven Development.**
* Experience in Core Java and implementing concepts such as **OOPs Concepts, Collection API, Generics, and Exception Handling, Multi-Threading**.
* Worked on **JAVA 8** Features like **Lambda Expressions, Functional Interfaces, Stream API’s** and Improvements on collections, Concurrency, and IO improvements.
* Proficient in applying various design patterns like **MVC, Factory, Singleton, Prototype, Builder, DAO, Front Controller, DTO, and Proxy** along with **SOLID principles.**
* Well-versed with **Microservices Design Patterns** such as **API Gateway, Database per Service, Circuit Breaker, Event-Driven, Saga, and CQRS** for building resilient and scalable architectures.
* Deep understanding of design, development, and implementation of Model-View-Controller frameworks using **Struts and Spring MVC**.
* Expertise in several **J2EE** Technologies like **Servlets, JDBC, JSP, and JSTL.**
* Experience in developing applications using **Struts, Spring MVC, Spring IOC, Spring AOP, Scheduling**, **Transaction, AMQP, Spring Boot, Spring Batch, Spring Cloud,** and **Microservices** and developing **RESTful Web services.**
* Experience in building **Micro Service applications** using **Spring Boot** for Experience in implementing the various services using Microservices architecture in which the services work independently, implemented Spring Boot **Microservices** to divide the application into various sub-modules.
* Extensive experience in **Spring Reactive Framework** components including **Web Flux, Mono, Flux, and Reactive Streams API** (Publisher, Subscriber, Subscription, Processor).
* Extensive experience in developing and documenting **SOAP, and RESTful APIs (JAX-RS, JAX-WS, JAXB),** leveraging tools like **Spring REST, Swagger, and Postman** for API management and testing.
* Proficiency in working with **ORM** frameworks such as **Hibernate and Spring JDBC, Spring Data JPA** for database interaction.
* Experience in Implementing Security functionality using **Spring Security, OAuth2, JWT, Single Sign-On (SSO), Open ID, Key cloak.**
* Well-versed in Cloud Technologies like **AWS (EC2, S3, Elastic Beanstalk, CloudWatch, RDS, IAM, Lambda, SQS, SNS, EKS, ECS**) for scalable and resilient cloud-based solutions.
* Skilled in a wide range of Frontend Technologies including **HTML/HTML5, XML, CSS/CSS3, Bootstrap, JavaScript, TypeScript, jQuery, JSON, Ajax, Angular, React JS, and Node JS** for building engaging user interfaces.
* Worked on the modernization of legacy and outsourced UI technologies to **React JS.**
* Proficient in **Build Tools** like **Apache Maven, Apache ANT, and Gradle**, and experienced in Containerization using **Docker and Kubernetes** for efficient application deployment.
* Experience in **JMS** over messaging to exchange information for enterprise applications using **Active MQ, Rabbit MQ, and Apache Kafka.**
* Knowledgeable with **RDBMS** concepts like writing **SQL Queries/PL-SQL**. Working experience with Relational DBMS like **Oracle, MySQL, MS SQL,PostgreSQL and NoSQL DBMS like Mongo DB, and Cassandra.**
* Optimized **RDBMS** by normalizing tables, indexing tables, using views, foreign keys, joins, triggers, and stored procedures.
* Extensive experience using **IDEs, including Eclipse, Visual Studio, IntelliJ IDEA, Apache Net beans and Spring Tool Suite (STS) IDE.**
* Good work experience in running **Quartz Job**s and **Spring Batch Jobs.**
* Having domain knowledge and good experience in the design and development of **ERP, E-Commerce, and E-Procurement (TMS), ESG** applications as per client requirements.
* Good experience to setup, configuring continuous build processes using **Jenkins, Azure Pipelines** and creating pull requests and running pipelines.
* Used **Azure Boards, and JIRA** extensively for User Stories, defect tracking, reporting, and adding the test acceptance documents.
* Proficient in caching using **EH Cache and Redis Cache.**
* Extensive experience in Source Code Management with **GIT, GitHub, Azure Repos, SVN, CVS**, and utilizing CI/CD tools like **Azure DevOps, Jenkins, and JIRA** for efficient software delivery pipelines.
* Proficient in Logging and monitoring tools such as **LOG4j, SLF4j, Splunk, ELK Stack (Elasticsearch, Logstash, Kibana**), **Grafana, and Prometheus** for application tracking and analysis.
* Skilled in Unit Testing with **JUnit, Mockito, Power Mock, Jacoco, SonarQube**, and performance testing tools like **JMeter** for ensuring application quality and performance.
* Experience in **code review** and **walkthrough, technical documentation, supporting production environment** and troubleshooting production problems in crisis and demanding situations.
* Ability to learn and adapt **quickly** to the **emerging new technologies** having strong analytical skills with ability to quickly understand client's business needs.
* Balances the capacity to work **autonomously and collaboratively** within a team environment effectively.
* Exhibits a continual **eagerness to learn**, meticulous attention to detail, adherence to instructions, and a consistent track record of **timely task completion.**
* Exhibits exceptional leadership, **organizational, planning, and coordination skills** honed through team management, group collaborations, and handling complex projects.
* Demonstrates outstanding **written, verbal, and interpersonal communication abilities.**

**TECHNICAL SKILL SET**

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| Java/J2EE Technologies | JDK 1.8, JDK 11, Servlets, JSP, JSTL, JDBC |
| Web Servers | Apache Tomcat |
| Backend Frameworks | Struts, Spring MVC, Spring Boot, Spring Cloud, Micro Services |
| Spring Modules | Core, Beans, Context, AOP, Batch,Scheduling and Transaction,AMQP |
| Spring Reactive Framework | Spring Reactive Framework (Web Flux, Mono, Flux), Reactive Streams API (Publisher, Subscriber, Subscription, Processor), functional and asynchronous programming. |
| Design Patterns | MVC, Factory, Singleton, Prototype, Builder, DAO, Front Controller, DTO,Proxy,SOLID principles. |
| Micro Services Design Patterns | API Gateway, Database per Service, Circuit Breaker, Event-Driven, Saga, CQRS |
| IDEs | Eclipse, Apache NetBeans, IntelliJ IDEA, Spring STS,Visual Studio |
| Frontend Technologies | HTML/HTML5, XML, CSS/CSS3, Bootstrap, Java Script, Type Script, jQuery, JSON, Ajax, Angular, React JS, Node JS. |
| Web Services & Documentation | SOAP, RESTful, JAX-RS,JAX-WS,JAXB,Spring REST,Swagger,Postman |
| Databases/ORMs | SQL (MySQL, MS-SQL, Oracle, PostgreSQL), NoSQL (MongoDB,Cassandra), Hibernate, Spring Data JPA, Spring JDBC. |
| Security & Caching | Spring Security,OAuth2, JWT, Single Sign-On (SSO), Open ID,and Key cloak,EH cache,Redis Cache. |
| Source Code Management | GIT, GitHub, Azure Repos,SVN,CVS. |
| Logging & Monitoring Tools | LOG4j,SLF4j,Splunk,ELK Stack (Elasticsearch, Logstash, Kibana),Grafana, Prometheus |
| Unit Testing and Performance Tools | JUnit and Mockito, Power Mock,Jacoco,SonarQube,JMeter |
| Message Middleware | JMS,Active MQ,Rabbit MQ,Apache Kafka. |
| Operating Systems | Windows,UNIX/LINUX |
| Build Tools | Apache Maven,Apache ANT,Gradle |
| CI/CD & DevOps Tools | Azure DevOps,Jenkins,JIRA |
| Cloud Technologies | AWS(EC2, S3, Elastic Beanstalk, CloudWatch, and RDS,IAM,Lambda, SQS, SNS,EKS, ECS) |
| Containerization | Docker and Kubernetes |

**EDUCATION**

B.Tech (Compute Science Engineering) from JNTU-HYD,India-2010.

**PROFESSIONAL EXPERIENCE AND KEY PROJECT DETAILS**

**Client: S&P Global - Chicago, IL Jan 2020 to Present Role: Java Full Stack Developer**

**Description:** The SAM Corporate Sustainability Assessment (CSA) is an annual evaluation of companies’ sustainability practices. The CSA helps companies to understand which sustainability factors are important from an investor’s perspective, and which in turn, are most likely to have an impact on the company’s financial performance. Thus, the CSA serves as a sustainability roadmap helping participating companies to prioritize corporate sustainability initiatives that are most likely to enhance the company’s competitiveness.

**Responsibilities:**

* Engaged in all phases of the project, from analysis and design to development, testing, and deployment.
* Implemented Agile/SCRUM methodology, participated in daily stand-up meetings, and effectively interacted with offshore teams and collaborated with cross-functional teams, including DevOps, QA, and business analysts.
* Contributed to requirement refinements, provided effort estimations, and timelines for assigned tasks.
* Utilized Spring Cloud to implement microservices architecture, incorporating service discovery, load balancing, and centralized configuration management.
* Leveraged Spring Cloud and Microservices Design Patterns (API Gateway, Circuit Breaker) to create scalable architectures.
* Implemented authentication and authorization mechanisms using Spring Security and JWT tokens for securing RESTful APIs and sensitive data.
* Integrated Splunk for centralized logging and monitoring.
* Automated the development lifecycle with CI/CD Azure DevOps pipelines for microservices, including build, testing, and deployment.
* Applied ORM frameworks like Hibernate and Spring Data JPA for efficient database interactions.
* Crafted and optimized complex database queries (SQL or NoSQL) to enhance application performance and response times.
* Applied the Spring Reactive Framework (Web Flux, Mono, Flux) and Reactive Streams API for functional and asynchronous programming, enabling responsive and reactive development.
* Developed dynamic UI pages with Angular and React components for a dynamic user interface.
* Participated in the migration of existing UI code to React JS and handled change requests from clients.
* Used Swagger for designing, building, documenting, and consuming APIs.
* Employed Apache Kafka for creating, sending, and receiving messages, including publish-subscribe and point-to-point messaging.
* Integrated AWS S3 with applications to enable seamless document uploads and downloads for clients.
* Utilized Amazon Web Services (AWS) EC2 to deploy Docker containers.
* Designed and optimized database schema using SQL/PL-SQL, Views, Triggers, and functions with Oracle DB.
* Utilized Logging & Monitoring Tools such as LOG4j, ELK Stack, and Grafana for application tracking and analysis.
* Investigated and resolved defects, debugging applications for issue resolution using tools like SonarQube and JMeter.
* Managed AWS services (EC2, S3 bucket, ELB, Auto-Scaling, AMI, IAM) through AWS Console and API Integration.
* Deployed applications using Docker and Kubernetes, optimizing containerization and orchestration for efficient scaling and management.
* Employed Maven for project builds and Azure-Pipelines for continuous integration and auto-deployment.
* Conducted code reviews and maintained coding standards to ensure code quality and maintainability.
* Monitored and optimized microservices for performance, scalability, and fault tolerance.
* Investigated and resolved defects, debugging, and troubleshooting applications for issue resolution.
* Wrote unit test cases using JUnit and Mockito frameworks.

**Environment**: Java, Spring Boot, Spring Cloud, Micro Services, Spring Security, JWT, Spring Data JPA with Hibernate, Spring REST, Apache Kafka, Oracle DB, Mongo DB, Azure Dev-ops CI/CD, Log4j, Splunk, HTML5, CSS3, Apache Tomcat, Git Hub, Maven ,AWS EC2,Docker,S3,Angular,React JS,JUnit, Mockito,Agile Scrum, Swagger.

**Client: VTS E-Procurement Jun 2017 to Dec 2019**

**Role: Java Full Stack Developer**

**Description:** E-Procurement (TMS) manages the entire tender creation and bidding process online. It provides real-time bidding solutions for Buyers and Suppliers that bring an unprecedented level of profitability, control, and simplicity to corporate procurement and liquidation processes.

**Responsibilities:**

* Participated in requirement specification sessions and analyzed given requirements.
* Primarily focused on developing Tender Creation, Bid Submission, and Tender Evaluation Modules.
* Created dynamic UI pages using JSP, AJAX, JavaScript, jQuery, Angular, HTML5, CSS3, and Bootstrap.
* Utilized Angular for custom directives, pipes, event binding, data binding, and injection.
* Ensured client-side validations for a user-friendly experience.
* Developed the application using Java 1.8, implementing features like Lambdas Expressions, Streams, functional interfaces, collectors, default methods, and type interfaces.
* Leveraged Java 8 Stream API for efficient bulk data operations and parallel operations on collections.
* Created Spring MVC framework for controllers, enabling dependency injection through IOC containers.
* Configured Spring Data JPA repositories to implement Hibernate for complex database operations, including stored procedures.
* Implemented and optimized data models, including schema design and query optimization, within a distributed environment using Cassandra, ensuring efficient data storage, retrieval, and scalability for high-throughput applications.
* Configured and maintained EH Cache for efficient data caching, enhancing application performance by implementing caching strategies, such as object caching and query caching, resulting in a significant reduction in database hits and improved response times.
* Utilized SonarQube for continuous code quality inspection and performed regular code analysis, ensuring adherence to coding standards, identifying and addressing code smells, vulnerabilities.
* Implemented authentication and authorization using Spring Security.
* Created microservices using Spring Boot for modular development.
* Contributed to database schema design and developed triggers and stored procedures.
* Used Maven for project builds and Jenkins for continuous integration and auto-deployment.
* Developed mock objects and services for testing using JUnit and Mockito.
* Managed code efficiently with Git as the Version Control System.
* Actively participated in an agile development environment, including daily SCRUM meetings for status updates and issue resolution.
* Involved in post-production support and maintenance of the application.
* Utilized RESTful Web Services to integrate with multiple payment gateways, such as CREDIT CARD, DEBIT CARD, INTERNET BANKING, and WALLET services.

**Environment**: Java 8, JSON, Spring boot, Spring Security, Spring Data JPA with Hibernate, Spring Rest, Spring MVC, Hibernate, Oracle, JUnit, Jenkins, JIRA, Log4j, HTML5, CSS3, Angular, Apache Tomcat, Git Hub, Kafka, Angular, jQuery,JUnit,Mockito,Agile scrum, Maven, MS-SQL,Cassandra.

**Client: Fitdango Jan 2016 – May 2017**

**Role: Java Backend Developer**

**Description:** Fitdango is an online marketplace to trade health and fitness-related products online. This project is a business-to-customer (B2C) e-commerce, consisting of two web applications one for Shopping Cart and another one for Administration. The Shopping Cart website is accessed by customers, enabling them to select and purchase the products and view the order history.

**Responsibilities:**

* Developed Shopping Cart and Administration Console functionalities.
* Participated in requirement specification sessions.
* Analyzed complex business requirements and generated technical specifications.
* Created UI pages using JSP, JavaScript, AJAX, jQuery UI, and AngularJS.
* Implemented business logic using the Spring MVC Framework, including Controller and Service classes.
* Utilized Spring Security for pre-authentication and database security.
* Developed the DAO layer with Spring and Hibernate.
* Created various logics and reports using HQL.
* Managed Hibernate Transaction Management, Batch Transactions, and cache concepts.
* Utilized IntelliJ IDEA for implementing business functionality with Spring Boot, Spring Cloud, Spring Security, Spring IOC, AOP, and MVC.
* Leveraged various Spring Framework modules, such as MVC, Dependency Injection (IOC), Auto Wiring, Spring Security, and AOP.
* Responsible for developing client-side validations using JavaScript and jQuery.
* Crafted complex SQL queries with joins, subqueries, and correlated subqueries for database data retrieval.
* Prepared documentation and contributed to the creation of a user's manual for the application.
* Implemented Spring MVC Architecture to handle Controllers, Models, and the exchange of JSON data between the backend and frontend.
* Conducted Unit Testing using JUnit and tested APIs using Postman.
* Participated in ANT to Maven Migration and implemented Maven configuration for building and deploying the application.
* Developed Test Cases and conducted unit testing for various modules.
* Managed code in SVN (Subversion).
* Engaged in code reviews with team members and enforced best practices.

**Environment**: Java, JSP, MySQL, JavaScript, Ajax, jQuery, JSON, Angular JS, Spring MVC, Hibernate, Apache Tomcat, Maven, JUnit.Mockito, SonarQube, RESTful Webservices, SVN, Agile Methodology.

**Client: Thoughtful Media Group Nov 2014 – Dec 2015**

**Role: Java Backend Developer**

**Description**: YouTube Network Data Collection is a web application developing its data collection system of YouTube, utilizing the YouTube Data API and Google API keys and web crawling. Major functionality is scripting to gather the data from the YouTube APIs and web crawlers, organizing that data in a MySQL database, and the User Interface to perform the advanced searches with multi-criteria search functionality and output sorting and reporting.

**Responsibilities:**

* Created graphical user interface (GUI) screens and implemented associated business logic.
* Conducted research on various technologies, including YouTube API, Web Crawling, Lucene Indexing, and Job Scheduling, to support application development.
* Implemented job scheduling for YouTube data collection and configured and monitored the schedulers.
* Developed Lucene Indexing to index MySQL data into documents for efficient retrieval.
* Utilized Crawler4j for web crawling on YouTube channel pages to identify and extract "PTK" values.
* Integrated the YouTube API with Google API Keys to collect data from YouTube channels and videos.
* Participated in client meetings to gather and analyze requirements for the project.
* Collaborated with the database team to work on views, triggers, and procedures required for the application.
* Participated in the deployment of the application on staging servers and published daily job statistics.
* Engaged in documentation, reviewed project materials, and resolved post-production issues.
* Implemented new change requests and fine-tuned the application's performance.
* Wrote complex procedures, triggers, and SQL joins to extract data from the MySQL database.

**Environment**: Java, JSP, Struts, MySQL, JavaScript, Ajax, jQuery, JSON, CVS, Crawler4j,Quartz Job Scheduler, Lucene Indexing, YouTube API, Apache Tomcat, MySQL.