**Sowmya**

**Sr. Java Full Stack Developer**

**PROFESSIONAL SUMMARY:**

* Seasoned Senior **Full-stack Java Developer** with a rich **10+ years** history in **Java/J2EE** and Object-Oriented methodologies. Demonstrated expertise across a spectrum of project domains, encompassing enterprise-level solutions to dynamic web applications.
* Proficient in various **SDLC** methodologies, including **Agile**, **Scrum,** and **Waterfall**. Proven ability to adapt to project-specific requirements and lead development teams effectively.
* Extensive knowledge and hands-on experience in both **Core** and **Advanced Java**. Proficiency includes **Servlets, JSP, JavaScript, jQuery, Struts, Spring, Hibernate, Maven, Gradle, Ant, JNDI, JUnit, TestNG,** and **XML** technologies.
* Strong grasp of fundamental **Java concepts**, such as **Object-Oriented Programming**, **Collections Framework, Exception Handling, Multi-Threading, I/O Systems, JDBC,** and **Algorithms.**
* Accomplished in **UI design and development** with expertise in **HTML5, CSS3** (including SASS and LESS), **JavaScript, Bootstrap**, and **AJAX**.
* Hands-on experience in building client-server business applications using **Spring MVC, Spring Boot**, and **Microservices** architecture.
* Proficient in **Grails, Groovy, Hibernate/GORM, Jenkins, Spring Framework.**
* Designed and implemented **event-driven** architectures with **Vertex**, enhancing the efficiency and responsiveness of applications**.**
* In-depth knowledge and extensive experience with modern front-end frameworks like **Angular (2/4/6/7/8), ReactJS,** and **Redux.**
* Skilled in developing **single-page applications (SPAs)** with a focus on **React performance optimization**.
* Proficient in **Angular 13** framework and its core principles, including **components, directives, services,** and **dependency injection.**
* Developed single-page application (SPA) using **Angular 13,** ensuring high performance and responsiveness.
* Well-versed in **AWS** (Amazon Web Services) **IaaS components** like **EC2** and **Terraform** for infrastructure provisioning.
* Experienced in managing **Docker**-contained **Spring Boot Microservices** within **AWS EC2** container services.
* Strong understanding of **Microsoft Azure services**, including **Azure Resource Manager (ARM)** templates, **Azure App Service, Azure Functions,** and **Azure Kubernetes Service (AKS).** Proficient in building and integrating **Java applications** with **Azure services**.
* Extensive experience in designing, developing, and deploying serverless functions on cloud platforms like **AWS Lambda** and **Azure Functions.**
* Implemented **database schema design**, **indexing strategies**, and **data partitioning** to enhance query performance.
* Proficient in **Kubernetes,** including managing deployments across different environments and configuring **Kubernetes clusters** for **Jenkins CI/CD pipelines.**
* Used **Python** for developing **microservices** architecture, enhancing scalability and modularity.
* Skilled in **version control tools** such as **GIT, SVN**, and **CVS.**
* Proficient in **REST-based** and **event-driven systems**, including **Kafka** and **JMS**, and integration frameworks like **Apache Camel.**
* Strong experience in working with both **SQL (Oracle 11g/12C, MS SQL Server, MySQL Server, DB2)** and **NoSQL (MongoDB, Cassandra)** databases.
* Addressed **Non-Functional Requirements (NFRs**) like security (Authentication and Authorization such as **OAuth**, and **JWT**, **Data Encryption, Spring Security**), performance (Java Performance Tuning such as **ZGC**, Load Balancing such as **Nginx**, monitoring), reliability (**Fall back mechanisms**, **circuit breakers**) and maintainability (**CI/CD)**
* Extensive experience across various **operating systems**, including **UNIX, Sun Solaris, Linux, and Microsoft Windows.**
* Proficient in **unit testing, integration testing,** and **bug tracking** using **JUnit, Mockito,** and **JIRA.**
* Leveraged **JMeter** to design and execute performance tests, ensuring the scalability, reliability, and responsiveness of critical software systems.
* Proficiently managed **production support** incidents in real-time, ensuring minimal downtime and uninterrupted business operations.
* Known for adaptability and flexibility, excelling both independently and as a collaborative team player.
* Demonstrated ability to manage multiple tasks concurrently and consistently meet deadlines.

**TECHNICAL SKILLS:**

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| **Programming Languages** | Java 8/ 9/ /10/ 11,17, Python, Golang, SQL |
| **Web Technologies** | HTML5, CSS3, XML, JavaScript, AJAX, jQuery, JSON |
| **Frameworks** | ReactJS, NodeJS, AngularJS, Spring, Angular 2/4/6/7/13, Hibernate, Apache Camel |
| **Cloud Computing Technologies** | Amazon Web Services - AWS, MS Azure |
| **IDE, Editors** | IntelliJ, Eclipse, Notepad++, NetBeans IDE, Microsoft Visual Studio |
| **MS Azure** | Azure SQL Database, Cosmos DB, Azure Service Bus, Azure Event Grid |
| **AWS** | EC2, S3, Simple DB, RDS, Cloud Watch, EBS, Cloud Front |
| **Database** | Oracle 11g/12C, MS SQL Server, MySQL Server, DB2, MongoDB, Cassandra |
| **Debugging Tools** | Firebug, Bugzilla, Chrome Developer Tools |
| **Testing Tools** | Junit, TestNG, JMeter, Mockito, Selenium, Jasmine, Karma, Mocha |
| **Version Control/ CI/ Build** | SVN, GIT, GitHub, Jenkins, Ant, Maven |
| **Monitoring Tools** | Prometheus, Grafana |
| **Web Servers** | Apache Tomcat, Web logic, Web Sphere |
| **SDLC** | Waterfall, Agile, Scrum |
| **Project Management Tools** | JIRA, Rally, Microsoft Project |
| **Browsers** | Firefox, Chrome, IE, Opera, Safari |
| **Operating Systems** | Windows, Ubuntu, Linux, Mac OS X |

**PROFFESIONAL EXPERIENCE:**

**Humana, Louisville, KY May 2023 – Till Date**

**Sr. Java Full Stack Developer**

**Responsibilities:**

* Participating in **sprint planning, daily stand-up meetings, sprint reviews,** and **retrospectives**.
* Designed and developed responsive user interfaces using **HTML5** and **CSS3.**
* Built interactive **User Interface (UI)** using **React,** created **reusable components**, and integrated React with Java backend systems to deliver seamless, full-stack application.
* Utilized **React Router** to handle client-side routing, Implemented **dynamic route handling**, **nested routes,** and **route guards** and developed SEO-friendly and user-friendly URLs for improved search engine optimization.
* Utilized **React Virtual DOM** to optimize rendering performance in web application.
* Integrated and managed **state** using **Redux libraries** such as **Redux Toolkit** and **Redux Saga**.
* Worked with **React Hooks**, including **use State, use Effect, use Context**, and leveraged **custom hooks** to **share logic** and **stateful behaviour** across multiple components, promoting code reusability.
* Migrated legacy code to **Java 17**, benefiting from modern features and best practices.
* Developed **Microservices** and **standalone applications** using the **Spring Boot framework**.
* Designed, implemented, and managed **Cosmos** (**Azure Cosmos DB**, specifically with Document DB) demonstrating proficiency in NoSQL database management.
* Configured and managed **MS Azure** resources, including **Virtual Machines**, **Databases**, and **Storage.**
* Applied hands-on expertise in developing and deploying functions through Azure **Function App.**
* Used **serverless** computing principles and excelled in event-driven programming environments**.**
* Proficiently supported and enhanced **Confluent Kafka** clusters on **Kubernetes.**
* Deployed and managed **Java applications** on **Microsoft Azure's** robust cloud infrastructure.
* Configured and optimized various **Azure** resources, including **virtual machines, databases, and messaging systems (Azure Service Bus and Azure Event Hubs).**
* Led data integration initiatives using **Azure Data Factory, T-SQL, Spark SQL, and U-SQL.**
* Implemented and configured **Azure DevOps** services to streamline and automate the end-to-end software delivery process.
* Designed and implemented **Groovy domain classes, composers,** and **views in Grails.**
* Utilized resource-efficient **design patterns** for enhanced performance and maintainability.
* Implemented **CI/CD pipelines** with tools like **Jenkins** for end-to-end automation.
* Managed project dependencies and build processes using **Maven.**
* Integrated **Python** with container orchestration tool **Kubernetes** to manage application deployment and scaling.
* Utilized **Python** for real-time **data streaming** and processing using **Apache Kafka** framework.
* Integrated **Cosmos DB** with other Azure services, such as **Azure Functions**, **Logic Apps**, and **Azure Synapse Analytics.**
* Employed **Git** for **version control, branching, and code merging.**
* Developed **Spark** applications using **Spark-SQL** in **Databricks** for **data extraction** and **transformation**.
* Designed and implemented data models with **Cassandra** NoSQL databases.
* Extracted, transformed, and loaded data from source systems to **Azure Data Storage** using **Azure Data Factory**.
* Integrated **Apache Kafka** for scalable and distributed messaging systems.
* Wrote **unit tests** and test suites using the **Jest** testing framework.
* Integrated **Swagger** with development tools, such as IDEs and build systems, streamlining the API development process.
* Utilized **Jira** for issue tracking and project management.
* Orchestrated multiple containers using **Docker Compose** and container orchestration tools.
* Implemented **Prometheus** as the monitoring system for **microservices** architecture, collecting and exporting key application metrics.
* Utilized **Grafana** to visualize **Prometheus** metrics, building dashboards for application health, performance, and resource utilization.
* Estimated cluster sizes, monitored **Spark Databricks** clusters, and troubleshooted issues.
* Consistently met or exceeded **Service Level Agreements (SLAs)** for **production support** incident response and resolution.
* Designed and implemented automation solutions for common **production support** service requests, bolstering efficiency and reducing manual workload.

**Environment:** Agile/ Scrum, Java 17, Python, J2EE, MS Azure, Spring Boot, Cognos DB, HTML5, CSS3, React, Redux, Flux, Ajax, Restful, SQL, jQuery, JavaScript, Cassandra, Jenkins, Git, Maven, Jest, Apache Kafka, Docker, Swagger, Jira, TestNG.

**Client: Verizon, NYC Jan 2021 – Apr 2023**

**Role: Sr. Java Full Stack Developer**

**Responsibilities:**

* Developed Web Application with Full Software Development Cycle **(SDLC) – Agile/ Scrum** from Design to Deployment.
* Developed the user interface using **JavaScript, HTML5, CSS3, jQuery, Bootstrap** and **Angular 8** for creating responsive **GUI** Interface of the web page.
* Developing applications using **Core java** concepts **OOPS**, **collections, Multithreading** etc.
* Performed form validations using reactive forms from the **Angular 8** framework.
* Implemented a 'server less' architecture using **API Gateway, Lambda**, and **DynamoDB** and deployed **AWS Lambda** code from **Amazon S3 buckets**.
* Utilized **Angular 13's data binding** capabilities to create dynamic and interactive **user interface**. Implemented routing strategies and managed navigation flows within **Angular 13** application.
* Integrated **Spark** with popular **data lakes** and warehouses, such as **Amazon S3, HDFS, and Redshift**.
* Developed custom **Spark serializers and deserializers** for efficient **data serialization**.
* Utilized **Angular 13's** modules and **NgModules** to organize and structure code effectively and **lifecycle hooks** to manage **component initialization, updates, and destruction**.
* Configured and optimized **Parquet** for integration with **Apache Spark**, ensuring high performance in data processing workflows.
* Leveraged **Angular 13's** form validation techniques to ensure data integrity and user experience.
* Used **JPA** and **Hibernate** with entity beans for interacting persistence layer for **CRUD** operations.
* Created a **Lambda** Deployment function and configured it to receive events from your **S3 bucket**.
* Designing and developing the Spring Boot **REST** services to push data to **PostgreSQL**, save logs to **AWS S3**, validated, and authorized other **REST** services.
* Maintained Interface compatibility and concurrency in the project using **Java 9** new features like utility methods in string class, local variable syntax for lambda parameters static methods, nested based access control.
* Used Amazon Cloud Watch to monitor AWS services and **Amazon Cloud** Watch logs to monitor application.
* Integrated **AWS Glue** with various **AWS services, such as S3, RDS, Redshift, and DynamoDB.**
* Built and orchestrated data workflows using **AWS Glue Jobs and Triggers**
* Integrated **AWS Code Commit** with popular version control system - **Git**, facilitating collaborative development and version control.
* Written different Routings (SPA), modules and reusable components using **Angular 8**.
* Used **Spring Security** for Authentication and Authorization of the application.
* Created Angular Http Client interceptors to add necessary **JWT** tokens for the outgoing requests from **UI**.
* Involved in building the application and deploying the application using **Apache Tomcat Server**.
* Involved in writing **SQL Queries**, **Functions**, **Triggers**, and stored procedures for **PL/ SQL** and **HQL (Hibernate Query Language).**
* Wrote **Maven Script**s to build the application.
* Used **Git** as an interface to check-in code changes into the **GitHub** Repository by following the branching strategy.
* Enhanced code quality through the iterative **Test Driven Development** **(TDD)** process. Identified and resolved defects early in the development cycle.
* Created dynamic schema design through **NoSQL Mongo DB** by writing rich queries.
* Worked **POSTMAN** and **SoapUI** to test **RESTfu**l services and perform operations.
* Reviewing functional verification test cases using **TestNG** Framework.
* Used **JIRA** for project management, bug tracking and issue tracking.
* Performed regular audits and security assessments of **IAM** infrastructure to identify and address vulnerabilities.
* Monitored and analysed **IAM** logs to detect and respond to suspicious activity.
* Managed escalated incidents from **L1** and **L2** support, addressing the most challenging technical problems.
* Tracked, reported, and documented the status and completion of service requests to ensure compliance with **SLA**s.

**Environment:** SDLC, Agile, JavaScript, HTML5, CSS3, jQuery, Bootstrap, Angular 8, AWS, API Gateway, Lambda, Dynamo DB, Code Commit, Glue, S3, EC2, Spark, Cloud Watch, IAM, Spring Boot, Spring Security, Jenkins, Maven, Postman, Git, TestNG, Jira.

**M&T Bank, New York, NY Jun 2018 - Dec 2020**

**Java Full Stack Developer:**

**Responsibilities:**

* Involved in full cycle of **software development** from analysis through design, development, integration, and testing phases.
* Developed project specific **Java APIs** for the new requirements with the effective usage of **Data Structures, Algorithms,** and **Core Java, OOPS concepts**.
* Designed and implemented application using **JSP, JSTL Spring MVC, Backbone, JNDI, Spring IOC, Spring annotations, Spring AOP, Spring Transactions, Hibernate, JDBC, SQL, Maven, JMS, Oracle,** and **JBoss**.
* Worked with **HTML5, CSS3, JSON, JavaScript, Angular 7, Bootstrap, Ajax, and ES6**for developing the user interface.
* Implemented front-end using **Backbone, Underscore, and jQuery, HTML, CSS and JavaScript**.
* Used **Less** and **Sass** to create responsive web designs by writing media queries that adapt to different screen sizes.
* Worked on **jQuery Ajax** to perform backend calls for data retrievals to populate model objects in collections.
* Implemented different types of **Spring Controllers** as per application requirements, Spring Validators, persistence layer, DAO, and service layer components using spring/ Hibernate API.
* Extensively used **Spring IOC**, configured Application Context files, and performed database object mapping using Hibernate annotations.
* Developed various batch jobs using **spring** deployed them on WebSphere Application Server.
* Migrated existing business applications **to Amazon Cloud Services (AWS)** based environment.
* Worked on **AWS EC2, S3, Route 53, Elastic Beanstalk, Elastic search, AWS Mobile Hub, Amazon messaging services (SQS and SNS), Lambda,** and **Amazon Kinesis Services**.
* Implemented modular and reusable **Terraform** modules to simplify infrastructure provisioning and maintenance.
* Developed **Spark** applications that handle multi-language data processing tasks.
* Conducted performance profiling and memory optimization for **Spark** jobs to achieve optimal resource utilization.
* Used **AWS CloudWatch** in maintaining and monitoring production and corporate storage.
* Developed Web services to allow communication between applications through **RESTful** over **HTTP** using **ApacheAxis2.**
* Consumed **JMS** messages using message listener container in spring from **WebSphere MQ broker**.
* Supported, enhanced existing applications developed using **JSF with Prime faces**.
* Automated build process by using **Maven** and used **Git** version control tool.
* Provided production support by **debugging and fixing** critical issues using **Jira** related to the application and database.

**Environment:** Java, J2EE, HTML, CSS, Less, Sass, JavaScript, Angular 7, WebSphere, Servlet, Spring MVC, AWS, Spring Boot, Spring IOC, Hibernate, JDBC, RESTful, Axis2, WebSphere, Maven, Oracle, Git JSON, Log4j.

**Walmart, Bentonville, Arkansas Oct 2016 - May 2018**

**Java Developer**

**Responsibilities:**

* Involved in analysis, specification, design, and implementation and testing phases of **Software Development Life Cycle (SDLC)** and used **agile methodology (SCRUM)** for developing application.
* Developed dynamic and browser compatible pages using **HTML, CSS, jQuery, ReactJS and JavaScript**.
* Used **BackboneJS** to utilize its rendering functions and create controllers to handle events triggered by clients and send request to server.
* Developed application on **spring framework** by utilizing its features like Spring Beans, Spring Boot, Spring Security, using MVC.
* Established user activity tracking, declarative transactions, and exception handling with **Spring AOP**.
* Used **ReactJS** for templating for faster compilation and developing reusable components.
* Used **Hibernate ORM** framework to interact with database through Hibernate query language (HQL).
* Used **ReactJS** to turn the application into Single Page Application and implemented the Drag and Drop functionality using **React-Draggable**.
* Provided daily support for production, stage and testing environments for **WebSphere MQ** operations and problem determination.
* Created the persistence layer using Hibernate ORM framework. This involves developing mapping files and Hibernate **(POJOs/ DAOs)**.
* Used **Rest API** with **JAX-RS** for consuming Restful web services.
* Worked on development of SOAP Web Services using **Apache Axis** to extract client related data from databases.
* Implemented **Singleton pattern** for property loading, loading XMLs and static data from DB.
* Used **Jira** to track and manage software issues, including bugs, feature requests, and tasks.

**Environment:** HTML5, CSS3, JavaScript, AJAX, JAVA/J2EE, ReactJS, React-Draggable, SQL, PL/SQL, XML, Spring MVC, Spring Security, JSP, Spring Boot, Spring Batch, JQuery, Core Java, Hibernate, SOAP, Ant, JUnit

**Standalone IT Solutions, Hyderabad, India Dec 2013 – Aug 2016**

**Java/J2EE Developer**

Worked on an Account Portal, which is used to calculate the revenue and margin details for a given account within organization bases on the employee submitted time information along with billing info.

**Responsibilities:**

* Involved in various phases of **Software Development Life Cycle (SDLC)** such as requirements gathering, modelling, analysis, design, development, and testing.
* Developed in client and server scripting languages like **HTML5, CSS3, JavaScript, Bootstrap, jQuery, Angular 2 and Node JS.**
* Developed various helper classes needed following **Core Java** multi-threaded programming and Collection classes.
* Developed server side **J2EE application components** using Spring, Spring MVC, Annotations, JSP, Servlets, JDBC, EJB, JMS, J2EE Design Patterns Struts Hibernate framework using Eclipse.
* Used **Angular2** for templating for faster compilation and developing reusable components.
* Developed the application using **J2EE architecture** specification and **Design Patterns.**
* Implemented **Model View Controller (MVC)** architecture and developed Form classes, Action Classes for the entire application using **Spring Framework**.
* Tested the response format of REST services in **XML and JSON.**
* Configured **Dispatcher Servlet** and View Resolver to intercept incoming requests, manage **Spring MVC** flow and invoke view components with the help of Dispatcher Servlet.
* Developed the view components using **JSP, HTML, Struts Logic tags and Struts tag libraries**.
* Implemented the application using **Java Server Faces (JSF)** which is based on Model View Controller design pattern.
* Designed and used **REST** full web services.
* Used **Hibernate Transaction Management**, Hibernate Batch Transactions, and Hibernate cache concepts.
* Created scalable and ordering message middleware using **ActiveMQ.**
* Worked on design and development of database systems using Relational Database Management Systems (RDBMS) including **Oracle, DB2, MYSQL, & NOSQL - MongoDB**.
* Used **Jira** for Bug Tracking.

**Environment:** JDK, Eclipse, Oracle11g, Spring, JUnit, Log4j, Maven, Hibernate, JSP, SOAP, Restful Web Services (REST API’S),JDBC, HTML/HTML5, CSS/CSS3, Bootstrap, JavaScript, NodeJS, AngularJS, ActiveMQ, Tomcat, Agile Methodology