**Sathish N**

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**Summary:**

* Having around **8+ Years** of extensive IT experience in all phases of **Software Development Life Cycle (SDLC)** which includes development, design, analysis, testing and Integration of various web based and client/server applications in multi-platform environments with **JAVA/J2EE** technologies.
* Experience in developing web applications using **HTML, HTML5, CSS3, XHTML, XML, JavaScript, AJAX, jQuery, JSON, Bootstrap, React JS, Redux, ES6, GitHub.**
* Proficient with **Vue.js framework** and its core principles such as components, reactivity, and the virtual DOM.
* Strong working experience in developing **Struts**, **Service Oriented Architecture (SOA)** and **Microservice** Architecture based **J2EE** applications on **AWS, Azure, PCF, GCP**
* **Experience in AWS Solutions using EC2, S3, EBS, Elastic Load Balancer, and Auto Scaling Groups**
* Good understanding and implementation of **SOLID** design principles and **GOF** patterns using Object Oriented design as well as functional programming.
* Expertise in Core Java concepts, such as **Multi-Threading, Exception Handling, Collections, Java Reflection, Object-Oriented Design (OOD)/Object-Oriented** **Programming (OOP), Annotation, Generics,** and some new features in **Java 8.**
* I Have very good experience and Knowledge in developing web applications using **Java11** **Lambdas, streams API,Spring MVC,Spring cloud streams, Spring Cloud Data Flow, Pivotal Cloud Foundry, Kafka**.
* Good understanding of **Reactive API** specification and implementation of **project reactor** APIs and also experience in reactive stack from **Spring webflux** **, R2DBC**.
* Have good experience in developing micro services using different micro service design patterns **Gateway Aggrerator,** **Scatter gather** , **Circuit Breaker**, **Rate limiter**, **Bulkhead pattern** , and so on.
* Used Spring components like **Spring MVC, Spring AOP, Spring Batch, Spring IOC, Spring Transactions** and **Spring Security** modules for developing the service layer of the web application.
* Good experience in developing Restful services using **Spring REST** and Reactive Spring Project **Reactor.Mono,Flux** and experience in the R2DBC way of connecting RDBMS .
* Built automation tools like **Gradle, Maven** and **Ant** and deployed to different environments.
* Hands-on experience with design Patterns like Factory, Singleton, MVC and Front Controller.
* Hands on experience in Hibernate ORM, HQL, Criteria Queries, Caching Mechanism.
* Sound knowledge & work experience on **MVC architecture** implementations
* Good exposure in database design and Experience in working with **Relational Databases** like **Oracle, MySQL, DB2, MS SQL Server** using **SQL, PL/SQL.**
* Good exposure in various activities like **Coding, End-to-End Unit testing** and **Production Support** for various applications and Handling the team
* Experience in unit testing the applications using JUnit Framework and developed logging and standard mechanism based on **Apache Log4J.**
* Experiences with full software development life cycle, architecting scalable platforms, object-oriented programming, and **Agile and Scrum methodologies**.
* Writing cache based applications using Redis cache with spring webflux with implementation of Jedis.
* Having knowledge in writing micro services using spring boot documentation, exception handling, monitoring by using Spring actuators, configuration management.
* Good working knowledge of **CI/CD** with **Jenkins** engine.
* I Have experience in implementing persistence layer using **Spring Data JPA** and framework **Hibernate**.
* Good hands-on production experience and a deep understanding of the cloud architecture and internals of how it works, along with interplay of architectural components.
* Strong fundamentals in **JMS** administration, configuration, and troubleshooting.

**Technical Skills:**

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| **Programming Languages** | Java, SQL, PL/SQL, and Python |
| **Java Technologies** | JSE, JDBC, AJAX, JSP, Servlets, EJB, JMS, JSTL, JNDI |
| **Web Technologies** | HTML5, CSS3, JavaScript, AngularJS, Angular 4/6/8/9, Vue.js Node.js, React JS, Bootstrap, XML, AJAX, jQuery, JSON, Typescript |
| **Web Services** | REST, SOAP, WSDL, RESTful, AWS, Microservices, JAXB, Apache-CXF |
| **ORM technology** | Hibernate 5+, JPA2.0  |
| **Application/Web Servers** | WebLogic, Web Sphere, Oracle Glassfish, JBoss, Apache Tomcat. |
| **Applications Frameworks** | Struts, JSF, Spring Framework, Spring MVC, Spring Boot, Spring Cloud, Spring Batch, Spring Core, Spring Hibernate, Spring JDBC, Spring Security. |
| **Databases** | MySQL and SQL Server, Postgres,Oracle10g, DB2 , MongoDB. |
| **Operating Systems** | Windows, Linux, UNIX, and Solaris. |
| **IDEs** | Eclipse, Spring Tool Suite (STS),IntelliJ |
| **Version Control Systems** | CVS, SVN, Bamboo, GIT |
| **Tools Viewer** | JUnit, Log4J, DOM |
| **Build Automation Tools** | ANT, Maven, Gradle, Jenkins, Jira, Rally, Ansible, puppet |
| **Cloud Technologies** | AWS ((EC2,ECS,EBS,EFS,RDS,Aurora,Cloudwatch) |

**Professional Experience:**

**University of Phoenix, Phoenix, AZ**

**Sep 2021– Till Date**

**Sr. Java Full Stack Developer**

**Responsibilities:**

* Involved in requirements gathering, analysis, design, development, testing, and deployment of web and enterprise applications.
* Developed reactive microservices using **Spring webflux** module and have experience in writing **functional endpoints** and spring cloud components .
* Developed a couple of **REST APIs** using Spring Rest and secured them using **Spring Security** with Okta Auth server.
* Used **Kafka** extensively to share the data between applications and created a couple of topics with the required number of partitions.
* Deployed PCF on AWS EC2 to manage the containers created by PCF.
* Created Amazon S3 buckets to keep the web app files and the CloudFormation templates
* Dump the data from DB2 to MySQL Server in Aws cloud.
* Hands-on experience with Amazon EC2, Amazon S3, Amazon RDS, VPC, IAM, Amazon Elastic Load Balancing, Auto Scaling, CloudFront, CloudWatch, SNS, SES, SQS, and other services.
* Developed presentation layer using React JS, JavaScript, HTML 5, CSS 3.0.
* Used React JS to create custom components for data manipulations and to display data in company standard format
* Experience with tools like Docker Images/containers and kubernetes.
* Kubernetes is being used to orchestrate the deployment, scaling and management of Docker Containers.
* Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker. Utilized Kubernetes and Docker for the runtime environment of the CI / CD system to build, test deploy.
* Involved in business meetings to analyze and fix the production issues.
* Integrating a couple of 3rd party services using spring rest clients and validating and testing them.
* Analyze different client request issues like account setup, initial funding, updating balance requests and handling with different retry mechanisms.
* Have Extensive Experience in IT data analytics projects. Hands on experience in migrating on premise ETLS to Google Cloud Platform (GCP) using cloud native tools such as BIG query. Cloud Data Proc. Google Cloud Storage. Composer.
* Wrote stored procedures and complicated queries for IBM DB2. Build data pipelines in airflow in GCP for ETL related jobs using different airflow operators.
* Worked on Maven to build the applications and deployed on WebSphere Application Server.
* Developed SQL stored procedures scripts for running on IBM DB2.
* Analyze the prod issues using **New Relic** and **Splunk** observability tools and also created proper dashboards to respective applications.
* Can work parallelly in both GCP and Azure Clouds coherently
* As part of configuring Hibernate, which is needed for interaction with databases, I used Hibernate **JPA** Annotations in Entity Classes to map with tables.
* Implemented native **SQL queries** and managing **JDBC** interactions with data sources.
* Working on major bug fixes with coordinating run teams and generating and providing reports to stakeholders whenever they asked. Experience in GCP Dataproc. GCS. Cloud functions, BigQuery. Experience in moving data between GCP and Azure using Azure Data Factory
* Executed clean test cases using **unit5** and Spring testing.

**Environment:** Java/J2EE, React JS, HTML 5, CSS 3.0, Aws, MultiThreading, Spring boot, Dialog Flow, DB2, SpringCloud, Spring webflux, Kafka, MySQL, JPA, Reactive Spring, Hibernate, R2DBC, WebSphere, GIT, Docker, kubernetes.

**Anthem, Atlanta, GA**

**July 2019 – Aug 2021**

**Sr. Full Stack Java Developer**

**Responsibilities:**

* Developer REST architecture based web services using Spring REST and webflux facilitate communication between client and servers.
* Participate in architectural and software development activities.
* Worked on creating login authentication modules using Vue.js and TypeScript.
* Created Vuejs service and integration with RESTful APIs calls using Fetch and Axios.
* Developed pages leveraging TypeScript in Vuejs and VuePress JavaScript libraries.
* Built dynamic navigation routes in Vue.js applications with Vuex store and state management.
* Created reusable components, implemented key functionalities for customer account summary.
* Conduct software analysis, testing, programming, and debugging.
* Writing the reactive programming to get more scalability and using Kafka as message middleware to process millions of events.
* O Develop and deploy the outcome using spark and Scala code in Hadoop cluster running on GCP.
* Writing Avro schema documents for Kafka consumer and Kafka producer applications for data compatibility.
* Handling issues with merchant data and updating the data in db tables as per requirement.
* Implemented SAGA and CQRS patterns for the REST APIs using Spring Axois framework with the help of Axonic server.
* O Developed multi cloud strategies in better using GCP (for its PAAS) and Azure (for its SAAS).
* Used IBM WebSphere as the Application server to load the application.
* Experience in Spring Data JPA(Hibernate) which includes integrating with legacy databases, writing customer CURD statements , integrating stored procedures and functions and also performing polymorphic associations.
* Used Spring Boot Actuator to monitor and manage the application in production environment.
* Worked on Swagger API to auto-generate documentation for REST APIs and used for Testing RESTAPIs
* Used Jenkins for the automatic build process and used for integration testing and deploying software.
* Used Git for version control, JIRA to track Problems and customized logs usingLog4j.
* Integrated API calls using Axios, implemented parallel API calls to reduce transition time in the application.

**Environment:** Java/J2EE, Spring boot, HTML5, CSS3, JSON, Angular JS, Hibernate, Websphere, DB2, JIRA, Jenkins, Log4j, Restful Api’s, Kafka, Typescript, Vue.js Git, Swagger**.**

**USAA, Plano, TX**

**December 2017 – June 2019**

**Full Stack Java Developer**

**Responsibilities:**

* Server-side validations are achieved using **Spring Validation** framework.
* Deployed and monitored web services using **Spring Cloud Foundry** Managed Domains and Routes with Spring Cloud Service Registry.
* Designed and developed a custom, single-page, responsive Web Application on front end using Angular.
* Created Angular service and integration with RESTful APIs and Angular HTTP Client to send GET/POST requests to fetch data from the server.
* Extensively used Angular-CLI to generate components, routes, services, pipes and to run tests.
* Create Spring Boot based Microservices apps for various stages (Integrate, validate, rate, pay, decision, aggregate, audit, and exception).
* Implemented Spring Transactions along with Spring ORM for Database transactions.
* Adopted **JMS** API to setup mail notification upon the success or failure when the backend processes are completed and to send mail notifications regarding any system related problems.
* Utilized **Apache Cassandra** for storing the external stream of data and building a real time analytics dashboard using **Google Charts API** with **AngularJS Components.**
* Developed **Spring Batch** processes for financial reporting applications and modules using **Perl** and **Korn** shell scripts on **Oracle database**, with partitions and subpartitions.
* Implemented **Quartz scheduler** to execute batch programming using **Spring Batch.**
* Implemented various validations rules using **JBoss** Business rules in the drl (drools file) using **Drools rule engine.**
* Writing the Code, unit testing using Junit5 and Integration testing using Spring integration.
* Writing the microservices components using spring cloud.
* Writing business rules using a drools engine and writing integration tests for that.
* Writing and configuring the **Jenkins** set-up for CI/CD process.
* Have daily calls with business heads to understand business requirements thoroughly.

**Environment**: Java, HTML, CSS, Bootstrap, Ajax, JavaScript, Typescript, Angular, Spring Boot, Hibernate ORM, JMS, RESTful APIs, Maven, Spring REST, Git, JIRA, Log4j, Oracle, Lambdas, Kafka, Spring Cloud, Jenkins.

**Shine Tech Software Solutions, Hyderabad, India**

**December 2015 – November 2017**

**Senior 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 applications.
* Created new RESTful Web Services using JSON data format to communicate with all external systems using Spring MVC framework.
* Developed web pages using Servlets and XML for various modules.
* Developed code to call the web service/APIs to fetch the data and populate on the UI using jQuery/AJAX.
* Developed the application using agile methodology and followed Test Driven Development (TDD), Scrum
* Developed presentation layer with HTML, CSS, Bootstrap, JavaScript
* Used **Spring LDAP** for user security credentials authentication and for validating the User roles.
* Coded **Gradle** build scripts to build and deploy the application on **WebSphere**.
* Implemented continuous deployment system with Jenkins, **OpsWorks**, and **Packer** for deployment of Java Applications.
* Created data and security architecture patterns for Microservices in a coexistence scenario.
* Participated in code review and mentoring sessions and used **GIT** as version control and **GITBash** for **GIT** interactions.
* Used **MySQL** as a backend database using Windows OS, involved in development of Stored Procedures, Functions, Packages and Triggers.
* Peer reviewing of the implemented code and discussions for best practices.
* Deploying the code in Jenkins CI/CD framework.
* Used Tomcat Apache server for deploying the applications on the develop branch.
* Attend the client meetings in daily basis for business understanding.

**Environment**: Java, Spring boot, Spring Cloud, MySQL, websphere, Tomcat, Git, MySQL, HTML, CSS, JavaScript, Bootstrap, Jenkins.

**Weblabs Technologies, Hyderabad, India**

**December 2014 – November 2015**

**Java Developer**

**Responsibilities:**

* Involved in requirements gathering, analysis, design, development, testing and deployment of web and enterprise applications.
* Developed the single page application following **Agile Scrum**, participated in daily standups, sprint reviews, Kickoffs and used **Jira** for project management.
* Involved in Software Development Life Cycle for gathering requirements, Analyzing, Designing, Developing and Testing application using **Agile** methodology.
* Designed the application using **J2EE** and **Java Framework** design patterns like **Spring**, **Singleton**, **DAO**
* Designed and Developed Gemfire Spring Repositories with well-designed Domain Objects
* Developed Web services to allow communication between applications through REST over HTTP.
* The Restful web services have been used to retrieve and update the data using Ajax.
* Deploying the apps using Pivotal CLI and pushing the apps into PCF and registering the apps into SCDF, creating the data pipelines (streams).
* Used Scala coroutines and Scala multi thread concepts to writes performant applications to handle huge volume of data.
* Writing unit test cases using Junit5 and Spring testing.

**Environment:** Java/J2EE, Spring Boot, JIRA , Agile, Oracle.