**SANDEEP VELUMALA**

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**PROFESSIONAL SUMMARY:**

* Highly skilled and results-driven **Full Stack Java Developer** with 9+ years of hands-on working experience to develop mission-critical, large-scale, high volume enterprise distributed applications by using Java/J2EE, and all phases of the **Software Development Life Cycle (SDLC**), including design, development, testing, and deployment of web-applications.
* Extensive experience with Web-Services (SOAP/RESTful) web service or micro services using Spring or Spring Boot, Kotlin, and Swift.
* Extensive experience with messaging frameworks like JMS, MQ, Kafka, RabbitMQ and Extensive experience with processing XML/JSON data, Ajax and Strong background in providing L3 support and troubleshooting for production environments.

Working knowledge of branching techniques and usage of Github, Bitbucket or Subversion required. Experience in distributed systems, object oriented programming, design patterns and design methodology.

* Experienced with analyzing and tuning code/application performance under High volume/High availability environments. (Clear, professional communications (listening, oral and written communications) Strong relationship building and collaboration skills.
* Experience working with cross-functional teams of business analysts, data scientists, subject matter experts, and developers.
* Involved in collectively understanding the current business functionality, the future vision of the solution, and implementing a cloud solution. This system will be responsible to log General Ledger entries, balance reports, and metrics. Satisfy various regulatory and SOC requirements.
* Practical expertise in a variety of disciplines, such as database architecture, business intelligence, machine learning, advanced analytics, big data, etc.
* Experience with relational and noSQL data base technologies and Experience deploying applications to AWS, ECS, EC2 instances. Working knowledge of AWS Services such as Cloudwatch, CodeDeploy.
* Research problems with a strong sense of ownership and develop solutions to address the problems.
* Stay abreast of emerging technologies and how they can be applied to the client and to Enable change, help accelerate innovation.
* Experienced with database design, writing and tuning queries in RDBMS and/or NoSQL (MongoDB) databases.
* Experience with Linux/UNIX systems and the best practices for deploying applications to those stacks.
* Knowledge various front-end technologies like HTML, CSS, JavaScript, and popular JS frameworks and a Creative problem solver.
* Experience with Agile development methodology and written and verbal communication skills.
* Ability to translate business requirements into working solutions.
* Results oriented with an ability to work in team and individual contributor work environments.
* Strong organization and interpersonal skills and a customer focused attitude.
* We will be re-architecting and re-platforming our Accounting capabilities from on-prem legacy to AWS Cloud.
* Experienced in developing and designing solutions for high traffic/high volume in consumer facing industry domains.
* An expert in building digital solutions and comfortable with all layers of the application stack.
* Eager to learn new technology and business solutions and Proficient in REST API development, Spring Boot, and microservices architecture.
* Working knowledge of database technologies, including PL/SQL and well experienced using Git for version control and source code management.
* Strong understanding of technical concepts related to software development and support. Analytical and Problem-Solving Skills: Demonstrated ability to analyze and resolve complex issues efficiently.
* Self-motivated and engaged in the entire product cycle starting from inception to support and maintenance.
* Always practicing self-development to remain updated with the latest and greatest in the market.
* Open to learning and facilitating the implementation and adoption of new frameworks, tools, and technologies.
* Provide guidance on the future direction of Digital technology usage.
* Work closely with the business team in understanding and implementing the optimum solution.
* Be a mentor to others within and outside the team and Work with onsite and offshore vendors on key project deliverables.

**TECHNICAL SKILLS:**

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| **Web Technologies** | **jQuery, HTML, HTML5, CSS, CSS3, TypeScript, AJAX, DOM, RWD, DHTML, XHTML, JSON, XML** |
| **Java Technologies** | **Spring, Spring Boot, Spring MVC, Hibernate, Servlets, JDBC, JSP, JSTL, Swing, EJB, Scala** |
| **JavaScript Technologies** | **AngularJS, Angular 2/ 4/ 5/ 6/ 8, React.js, Redux, EXT.js, Backbone.js, Require.js, Node.js, Vue.js, Express.js** |
| **Database/RDBMS and ORM** | **Oracle, MS SQL Server, MySQL, MongoDB, Redis, Cassandra, CouchDB, PL/ SQL, PostgreSQL, Dynamo DB, Boto3, NumPy, Panda’s library** |
| **Web Services** | **RESTful, SOAP, WSDL, UDDI, AWS (Amazon Web Services), Axis2** |
| **Testing Frameworks** | **JUnit, Jasmine, Karma, Mockito, Jest, Log4j** |
| **Operating Systems** | **Windows, UNIX, LINUX, Mac OS.** |
| **Web Servers** | **Apache Tomcat, Glassfish, WebSphere, WebLogic, JBoss, Nginx** |
| **Tools and Packages** | **GIT, IntelliJ IDE, Eclipse IDE, GitHub, Maven, Gradle, ANT, Jenkins, JIRA, Swagger, Grafana, Bitbucket, Docker, Kubernetes, Apache Camel, Kibana, Nexus, Ruby, Nagios, Hadoop, Jersey, Prometheus, Pig, Hive, MapReduce** |
| **Web Debug Tools** | **Mozilla Firebug (debugger), Chrome developer tools** |
| **Languages** | **Java, JavaScript, Python** |
| **Cloud** | **AWS, GCP, Azure** |

**PROFESSIONAL EXPERIENCE:**

**Charter Communications – Atlanta, GA OCTOBER 2020 – Present**

**Sr. Full Stack Java Developer**

**Responsibilities:**

* Followed Agile methodology for developing applications and was involved in analysis, design, development, and testing phases of the Software Development Life Cycle.
* Providing production support, preferably in **an L2/L3 support role troubleshooting** and resolve issues in a timely manner to ensure smooth functioning of production systems.
* Applied **Spring MVC** flow to communicate with the application's various modules.
* Used **Spring REST and JSON** to implement serialization and built and consumed **RESTful services** in modules. Using **Spring Boot, Spring Data, and JPA**, designed and created **REST-based Microservices**.
* Creating several **REST** endpoints such as those to create an organization, update/modify a customer's information, get/retrieve payment information, or delete transactions involving an Identifier like a token.
* Designed and created specialized message adapter components for **Apache Kafka** Using **Spring Boot** and **Spring MVC**, allowing messages to pass across **Microservices based on Restful API**.
* Worked on **REST APIs** with **JSON** to test data, and **Postman** for testing the Web Services and Documentation of the Web API.
* Worked on google cloud platform services like **compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitorin**g, and **cloud deployment manager**.
* Deployed and monitored scalable infrastructure on Google Cloud &configuration management using **Docker** and **Google Kubernetes Engine (GKE).**
* Creating **Google Cloud Storage** buckets, maintaining and utilizing the policy management of these buckets and used GCS Coldline for storage and backup on Google Cloud.
* Implemented the functions to send and receive messages on **Kafka** synchronously and asynchronously and send **JMS** messages to the endpoints of the applications.
* Used **Terraform** to develop and run applications and services on **GCP.**
* Creating fully automated build, test, and deployment processes by leveraging **Google Cloud Build** as an automated solution for deploying new versions of containerized web applications and maintaining a repository of docker images storage in **Google Container Registry**.
* Strong problem solving and verbal and written communication skills.
* used **Splunk** to check the logs generated from the application to check the behavior of the application.
* created and executed **JMeter** scripts for performance testing of the portal.
* Used **Agile XP/Pair** Programming technique to ensure high-quality code.

**Environment**: Backend – Java Spring boot, Spring and Hibernate, XML, JSON, and RESTful web services, Oracle Database experience, NoSQL database, Server-side maintenance experience, 40% front work – ReactJS, Angular, NodeJS, must be good with Graphs, Highcharts and D3, DATA MODELING, TDD.

**AT&T – Atlanta, GA September 2019 - September 2020**

**Full Stack Java Developer**

**Responsibilities:**

* Designed and **developed** **RESTful web services using SpringMVC** and **Spring Boot** to expose many endpoints which make use of **REST template** and Hibernate integration.
* Involved in the **development of the presentation layer** for the application modules using **React**, **HTML5**, and **CSS**.
* Implemented **Spring Boot services** in combination with React as the front end to form a **Microservice Oriented application**.
* **Created REST API documentation** using **Swagger** and created **Docker** to compose **YAML file** and Docker file to create **docker images** and containers.
* Analyze and fix issues related to **REST Web services** and **Application responses.**
* Worked on developing **REST Services** to expose the processed data as a service.
* Implemented **Spring Security** and **Spring transactions** in the applications.
* Experienced in **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.
* Used **Spring Core Annotations** for **Dependency Injection** and used **Apache Camel** to integrate Spring framework.
* Worked with Docker to deploy Micro-services in modern containers to increase Isolation.
* **Configured Jenkins tools** for continuous integration and build and deploy the applications.
* Used IAM to create new accounts, roles, groups, and policies to develop critical modules like generating Amazon Resource Numbers and Integration Points with **S3**, **lambda**, **Dynamo DB**, and **SQS queue**.
* Created functions and assigned roles in **AWS Lambda** to run scripts.
* Used Java and AWS Lambda to perform event-driven processing.
* Implementing a continuous integration (CI) and continuous deployment (CD) pipeline using **Jenkins** in the AWS, in conjunction with GitHub, to deploy the apps using Docker container services.
* Extensively followed **Test Driven Development** to implement application business logic, workflow process, and integration of application modules.
* Worked on **REST APIs with JSON** to test data, and **Postman for testing the Web Services** and Documentation of the **Web** **API**.
* **Wrote JUnit test cases** for each line of the application code and performed validation.
* Created JMeter test cases to measure the performance and functionalities of web services.
* Designed, developed, and executed tests using **JMeter** and **Jenkins**.
* Involved in all phases of the Software Development Life Cycle (SDLC) including analysis, design, development, and testing of the project.
* Extensively followed **Agile Scrum methodology** to implement the application modules.

**Environment:** Java/J2ee, Spring Boot, REST, SQL, HTML5, CSS, JavaScript, jQuery, AJAX, JSON, React, Eclipse, JBoss, Maven, AWS, DB2, Micro Services, Postman, JMeter, UML, Agile, XP, Jenkins, GitHub, JIRA, Junit, Log4j.

**Panasonic Avionics Corporation – Lake Forest, CA May 2017 - Aug 2019**

**Full Stack Java Developer**

**Responsibilities:**

* Developed and Implemented **Micro Services using Java/J2EE**, **Spring Boot**, and **Spring Framework**.
* Used JSF framework in developing user interface using Angular Components, Validators, Events, and Listeners for handling request processing.
* Handled the security and Authorization by **Spring Security** and **OAuth authentication Protocol**.
* Involved in writing the test cases for the application using JUnit.
* Involved in the design and development of UI components using **Angular**, **JavaScript**, HTML, CSS, and **Bootstrap**.
* Implemented **MongoDB** database concepts such as locking, transactions, indexes, and replication.
* Implemented **JSON** web-based tokens for authentication and authorization security configurations using **NodeJS.**
* Worked with modules like **MongoDB** and **Mongoose** for database persistence using **Nodejs** for the interactions with MongoDB.
* Deployed **Spring Boot** applications with microservice architecture using **REST** and **Apache Kafka**.
* Used Kafka for actively tracking real-time data processing, messaging, and log aggregation.
* worked on creating **serverless Microservices** by integrating **AWS Lambda**, **S3**, cloud watch, and **API gateway**.
* Included security groups, **network ACLs, Internet Gateways**, and **Elastic IPs** to ensure a safe area for the organization in **AWS private cloud**.
* Used Confluence to manage document management.
* Set up **Jenkins server** and build jobs to provide automated builds based on polling the **GIT source control system**.

**Environment:** Java, J2EE, Spring Boot, Microservices, JSF Framework, Spring Security, Angular, NodeJS, Kafka, JavaScript, HTML5, CSS and Bootstrap, Kafka, REST, RESTful, NoSQL Mongo DB, JUnit, Jenkins, Log4j, JIRA, Git, Amazon Web Services**.**

**Golden Living, Canton MA July 2015 - April 2017**

**Full Stack Java Developer**

**Responsibilities:**

* **Developed the RESTful web services**, by using **Spring Framework** and **MVC pattern**, for Business logic that is reusable and that can be consumed for front-end applications.
* Created **RESTful API utilizing Spring Boot** with **Microservices**.
* Created a multi-layered application framework using **Java/J2EE technologies**.
* **Developed Multithread Application** using **Thread Pool** and Concurrent Executors.
* **Developed Business** logic with the help of **Spring** and implemented Data access by using **Hibernate**.
* Used JPA and Hibernate with entity beans for interacting persistence layer for **CRUD operations**.
* Worked with UI developers for building a portal for business applications using HTML5, CSS, JavaScript, jQuery, React, and Bootstrap.
* Used **Spring MVC components** to implement the business layer and **Spring Boot for Micro-services.**
* Involved in the upgrade of the present **Oracle data model** to the **Cassandra data model**.
* Development of database interaction code to **JDBC API** making extensive use of **SQL Query Statements** for data modifications and data retrievals.
* Collaborated with technical team members to integrate back-end and front-end elements.
* Used **Maven** for **building** and **managing dependencies** of the application.

**Environment**: Java 1.8, Spring Framework 4.0, Hibernate, Web logic, Oracle 11g, HTML5, CSS3, JavaScript, Web Services, Spring Boot, REST, XML, Groovy, ECM, Elasticsearch, Mockito, SOA, Kafka, WebLogic Server 12c, Python, AWS, Ext-JS 4.2.x, Sencha Architect 3, Docker, Jenkin, GitHub, Microservices.

**IBM, Bangalore, India Aug 2013 - Mar 2015**

**Java Developer**

**Responsibilities:**

* Used **Spring framework MVC** in the development of new modules based on requirements.
* Utilized various utilities like JSP, JSTL, JavaScript, HTML, & CSS, and jQuery.
* Refactored existing project to make it more **RESTful** and **thread safe**.
* Involved in the creation of dynamic web pages with the use of JSP and HTML.
* **Configured and set up Java Workspace** which included setting up server and theme installation and configuration. Became familiar with using and navigating through Java Workspace (Eclipse).
* **Debugged Java classes** used to modify web pages such as Business Objects and Data Access Objects.
* Implemented JDBC to perform the database calls from the Java layer.
* Used JDBC to persist Java Objects into the database.
* For **XML marshaling** and **unmarshalling used JAXB**. Worked with databases like **Oracle**.
* Tested many components of web applications and documented my observations.
* Used Servlets as an interface between the front and backend to handle **HTTP requests** and send the response back to the front end.
* Participated in analyzing the requirements and depicted them through use cases and scenarios.
* Participated in **unit testing**, **integration testing,** and installation of the system.
* Contributed to the decision-making of the software and hardware requirements and tool evaluations.
* Implemented logging for the whole application using **Log4j**.
* Involved in daily scrum meetings and worked on the sprint tasks in the **Agile Scrum development**.

**Environment: Java 1.7, JSF 3.0, SOA, SOAP, AJAX, HQL, PL/SQL, XML, XHTML, CSS, JavaScript, Web Logic Server 10.3, Oracle 10g, SpringMVC, Hibernate 3.1, CVS, AGILE, Swing.**

**Bachelor of Electronics and Communications Engineering. 2013**

Jawaharlal Nehru Technological University (JNTU-H)