

SANDEEP VELUMALA

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LinkedIn

PROFESSIONAL SUMMARY:

- Highly skilled and results-driven **Full Stack Java Developer** with 9+ years of expertise in **OOPs, Java/J2EE technologies, React, Angular, NodeJS**, and all phases of the **Software Development Life Cycle (SDLC)**, including design, development, testing, and deployment of web-applications.
- Experienced in both **Waterfall** and **Agile methodologies**. Strong collaboration and communication skills, ensuring alignment between business requirements and technical implementations. Demonstrated ability to deliver **Efficient, Scalable, and Maintainable Code**.
- Experience in working with **MEAN Stack Development** using **Mongo DB, Express, Node**, and **Angular 2/4/6/7/8 Modules**, Services, Templates, directives, and **dependency injection to create a SPA** and worked with **Angular CLI**.
- Experience in using **React components**, Forms, Events, Keys, **Router, Redux architecture**, Flux concept & redesigning sites with everything from the contact page to the landing page.
- Hands-on experience with **Core Java** concepts such as OOP concepts, Collections, Exception Handling, Multi-Threading, and sound knowledge of **Data Structure and Algorithms**.
- Experienced in developing messaging modules by using **Spring JMS, Apache Camel, and Rabbit MQ**.
- Experience in **Spring Framework** (MVC/IOC/ORM/JDBC/AOP/BATCH/WEBFLOW) and **Struts** (MVC Architecture, Interceptors, Action Mappings, and Resource Bundles) with Good knowledge in **developing Microservices using Spring Boot**.
- Proficiency in handling web and application servers in creating Domains, Configuration connection pools, and deploying applications on **Apache Tomcat, WebLogic, WebSphere, and JBoss**.
- I have extensive experience in Core Java, J2EE, JSP, Servlets, JDBC, Spring, MuleSoft ESB, **Maven**, Hibernate, **Restful Web Services**, and **SOAP**.
- Expert in Various Agile methodologies like **SCRUM, Test Driven Development (TTD)**, Incremental and Iteration methodology, **Agile Development & Testing** using Software Development Life Cycle.
- Hands-on Experience in writing **PL/SQL optimization**, and creation of complicated stored procedures, joins, and views for database objects in **Oracle, MySQL, MS SQL Server, and MongoDB**.
- Experience in the **design and development of various web services** and **enterprise-level applications using Java/J2EE technologies using Spring, JSF, Spring Boot, Hibernate, and JDBC**.
- Experience working in messaging systems using message brokers such as **Kafka, RabbitMQ**. Hands-on working experience with **Apache Kafka** and **Zookeeper** apart from **JMS messaging services**.
- Experience in designing a **Terraform** and deploying it in the cloud deployment manager to spin up resources like **Cloud virtual networks, Compute Engines in public and private subnets** along with Auto Scaler in **Google Cloud Platform**.
- Excellent Expertise in **Amazon Web Services (Amazon S3, Amazon EC2, Amazon SQS, Amazon SimpleDB, Amazon Elastic Load Balancing, Amazon EBS, Amazon CloudFront, and Amazon Lambda)**.
- Implemented a server-less architecture using **API Gateway, Lambda, and DynamoDB** and deployed **AWS Lambda code from S3 buckets**.
- **Strong AWS Experience** including **AWS Code Build, AWS Code Commit, AWS Code Pipeline, AWS Lambda, API Gateway, AWS CLI/YAML/CloudFormation, Serverless Deployment**.
- Strong experience in managing the **Kubernetes environment** for **scalability, availability and zero downtime**.
- Experience in building **Docker images** using Docker files and **container-based deployments on Kubernetes**.
- Experience in **developing Docker file** to containerized applications to deploy on **managed Kubernetes service EKS and AKS**
- Demonstrated proficiency in working with **Spark**, utilizing its distributed processing capabilities to handle large-scale data sets and **optimize ETL performance**.
- Skilled in utilizing Java frameworks and libraries, such as **Apache Hadoop, Apache Kafka, and Apache NiFi**, to enhance **ETL processes** and **streamline data integration**.
- Created **Lambda deployment functions** and configured them to receive events from **S3 buckets**. Implemented security features Secure authentication with **LDAP, OAuth 2.0, Spring Security, SSL, OAuth2.0** for creating tokens in the application using **Spring Security**, and **JWT** for providing tokens.

- Good experience in **J2EETesting** in developing test cases with **JUnit**, **MOCKITO** for **Unit testing**, and logging using **Log4j** & Good Experience in **Mock Testing** Hands-on experience with build tools like **Ant**, **Maven**, **Gradle**, and Logging tools like **Log4J** and **Splunk**.
- Using **Jenkins** with **GitHub** to establish a **continuous integration (CI)** and **continuous deployment (CD) pipeline** using **Docker container services** to deliver the applications.

TECHNICAL SKILLS:

Web Technologies	jQuery, HTML, HTML5, CSS, CSS3, TypeScript, AJAX, DOM, RWD, DHTML, XHTML, JSON, XML, SASS, SCSS, Less
Java Technologies	Spring, Spring Boot/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, Pandas 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
Container Deployments	Docker, Kubernetes, K3s, EKS, AKS, Containerd, MESOS
Web Debug Tools	Mozilla Firebug (debugger), Chrome developer tools
Languages	Java, JavaScript, Python
Cloud	AWS, GCP, Azure

PROFESSIONAL EXPERIENCE:

Charter Communications – Stamford, CT
Sr. Full Stack Java Developer

OCTOBER 2020 – Present

Responsibilities:

- Followed Agile methodology for developing applications and was involved in analysis, design, development, and testing phases of the Software Development Life Cycle.
- Used **ETL (Extract, Transform, Load)** development using **Java** and **Spark**, demonstrating a deep understanding of **data integration processes**.
- Updated emerging technologies and industry trends related to **ETL** and **data integration**, continually enhancing skills and knowledge in the field.
- 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 monitoring**, and **cloud deployment manager**.
- Setup **Nginx Ingress** controller to manage the ingress/egress routing rules for Kubernetes.
- Enforced best security practices to secure containerized environment using **Seccomp**, **SELinux**, and security features of **Kubernetes**.
- Performed proof of concepts on various open-source **CNCF** graduated solutions to test and deploy with **Kubernetes**.
- Managed **Kubernetes** deployments, objects for high availability and scalability using horizontal pod scaler and resources management.
- 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**.
- Used **Agile XP/Pair** Programming technique to ensure high-quality code.

Environment: Java, JEE, Spring, Spring boots, MAVEN, Docker, Jenkins, AWS Cloud, GCP, GitHub, API-gateway, MongoDB, Kafka, Postman, spring Security, JMeter, Splunk, Log4j, IntelliJ.

AT&T – Atlanta, GA
Full Stack Java Developer

March 2019 - September 2020

Responsibilities:

- Designed and **developed RESTful web services using Spring MVC** 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 **ReactJS**, **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**.
- Setup and managed light weight **Kubernetes K3s** for self-healing and high availability
- Containerized applications using **Dockerfile** best practices, and integrated with different **microservices**
- Deployed **Prometheus** with **Grafana** to monitor the **Kubernetes** cluster and configured alerts firing when different conditions met.
- Integrated **EFK (Elasticsearch, Fluentd, Kibana)** stack as the logging solution for the deployed kubernetes cluster
- **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**.
- 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
Full Stack Java Developer

May 2017 - Aug 2019

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 **Node.JS**.
- 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**.

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
Full Stack Java Developer

July 2015 - April 2017

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.
- 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
Java Developer

Aug 2013 - Mar 2015

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.
- **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 **unit testing, integration testing**, and installation of the system.
- 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, J2EE, Git, Spring, Core Java, SOAP/Rest, Web Services, JavaScript, HTML5, CSS, SASS, JIRA, Linux, Selenium NOSQL(MongoDB), Angular JS, AJAX, Apache JMeter.