Venkatesh Ummadisingu   SR. JAVA FULL STACK DEVELOPER

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SUMMARY

- Having **9+ years** of experience in all phases of **Software Development Life Cycle (SDLC)** which includes Analysis, Design, Development, Maintenance and Implementation of enterprise, web and client server applications using **Java/J2EE** technologies.
- Experience working with **AWS utilities** like **Lambda, ELK, CloudWatch, API Gateway**.
- Exposure to Full Life Cycle in different software development methodologies like **Waterfall Model** and **Agile** Methodologies like Test Driven Development, **SCRUM** and Pair Programming
- Experience in Producing and consuming Web Services Technologies like **Restful** (JAX-RS), **SOAP** (JAX-WS), **JAX-RPC** and **JAXR** (Java API for XML Registries).
- Proficient in-Service Oriented Architecture (SOA) using Web Services such as **SOAP**, **RESTful** using **Jersey** and **Jackson**.
- Experience using frameworks like **spring**, **JPA**, **Hibernate**.
- Proficient in implementation of frameworks like **Spring, Spring IOC**, **Spring MVC**, **Spring AOP**, **Spring Security**, **Spring Boot**, **Spring Web Flow**, **Spring Data**, AJAX frameworks and ORM frameworks like **Hibernate**.
- Good knowledge on **multi-threading and exceptional handling.**
- Proficient in implementing various J2EE design patterns like **MVC**, **Service Locator**, **Session Façade**, **Data Access Object (DAO)**, **Factory, Singleton**, **Data Transfer Object (DTO)**, **Front Controller**, View Helper and Business Delegate.
- Experienced in writing complex queries, **stored procedures**, **functions**, **packages**, **tables**, **views** and **triggers** with major databases such as **Oracle**, **DB2** and **MySQL**.
- Hands-on experience in developing **Micro services** solutions, experience on Micro services tech stack like **Spring Boot** and **Distributed Cache**.
- Well versed in MVC (Model View Controller) architecture using spring**, JSF** and implementing **JSTL** (JSP Standard tag library), custom tag development and tiles.
- Expertise in **JSPs, JDBC and Servlets.**
- Knowledge on **Apache Kafka** cluster as a messaging system between the APIs and Micro services.
- Experience in using various Amazon Web Services (AWS) Components like **EC2** for virtual servers, **S3** and Glacier for storing objects, **EBS**, **Cloud Front**, **Elastic cache** and **Dynamo DB** for storing data.
- Experience with advanced storage technologies like **Elastic search, Redis**.
- Ability to learn and use new systems and paradigms in considerably less time, solid communicator with exceptional team-building skills.
- Extensively worked with **Servlets** based multi-tier applications in developing **J2EE** Components.
- Experience working with **Amazon Web Services** (EC2, S3, IAM, ECS, SNS, SQS, Lambda, AMI, RDS and EBS), **Elastic Beanstalk, Cloud Watch, Cloud Formation.**
- Good experience in developer tools like **AWS Code Commit**, **Code Build, Code Deploy, and Code Pipeline**
- Involved heavily in setting up the **CI/CD pipeline** using Jenkins, Maven, Nexus, GitHub, CHEF and AWS.
- Proven communication, technical skills and the ability to work in a team as well as individual with minimal supervision or guidance.
- Excellent interaction skills with client and proven experience in working individual and as well as in a team.
- Worked on **Splunk** search processing language (**SPL**) queries, reports, dashboard and logging using **Log4J 2**.
- Used **Docker Container** to address every application across the **Hybrid Cloud**.

- Good experience working among databases like **MySQL**, **MongoDB**, **PostgreSQL** Configured Cloud message brokers like **RabbitMQ**, **Kafka** between **microservices**.
- Excellent knowledge of **NoSQL** in **MongoDB** and **Cassandra DB**
- Experience in using **Jenkins** for continuous integration (**CI/CD**).
- Experience with Unit Level Testing (**TDD**) using **Junit**, **Mockito**.
- Good exposure on Performance using **LoadRunner and JMeter**
- Good experience in using APM tool **Dynatrace** in monitoring business transaction across all tiers (web/app/DB) of the applications.
- Proficient in writing **stored procedures, functions, packages, cursors, and triggers** using **PL/SQL**.
- Extensively used **Python, SQL, Numpy, Pandas, PySpark** for data analysis.
- Expertise in using **JUNIT, TestNG, Maven** to build automation frameworks with **JAVA**.
- Extensively used **Git**, **Gitlab** for version controlling and regularly pushed the code to **GitHub**.
- Expertise in **Pivotal Cloud Foundry** (**PCF**) which is an open-source **cloud platform** as a service (**PaaS**) on which developers can build, deploy, run and scale applications.
- Worked on **Google Cloud Platform (GCP)** services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager.

TECHNICAL SKILLS

Languages	Java, J2EE, SQL, PL/SQL, Python
J2EE Technologies	Servlets, JDBC, JSP, JMS, Java Security, Collections
Web Technologies	HTML5, JavaScript, jQuery, ES6, CSS3, Bootstrap, JSF, Angular JS, React, JSON, AJAX, NodeJS, XML, XSD, XSLT, SOAP, REST
Tools & Framework	Spring, Spring MVC, Spring IOC, Spring AOP, Spring Boot, Spring Cloud, Spring Data (JPA), Hibernate, Struts, ANT, Maven, Apache ActiveMQ
Web services	SOAP, WSDL, JAX-RPC, Restful, JAX-RS, JAX-WS, JAX-B, Axis2
Architecture	SOA, Micro services
Web/App Servers	Apache Tomcat, Jboss
Database	MySQL, Oracle 10g, DB2, SQL server, PostgreSQL
NoSQL Databases	MongoDB, Dynamo DB, Cassandra, CouchDB
Cloud Environments	AWS, Netflix Eureka, Kubernetes. Azure, Pivotal Cloud Foundry, GCP
Testing	JUnit, Soap UI, Postman, Jasmine, Karma, Mockito, Cucumber
Version control	CVS, GitHub, Bitbucket
Build Tools	Maven 3.5.4, Gradle 3.4.1, Ant, Log4J
Tools	Grunt, Gulp, Jenkins, Docker, JIRA

WORK EXPERIENCE

Sr. Full Stack Java Developer | Discovery | St Louis, MO | October 2021 – Present

Key Contributions:
- Followed **Agile** Scrum Methodology to Development Environment. Participated in the daily **SCRUM** meeting and paired programming to produce quality delivery within time.
- Actively participated in requirements gathering, analysis, design, and testing phases and designed use case diagrams, class diagrams, and sequence diagrams as a part of Design Phase.
- Migrated applications from **Angular 7.2** to **Angular 9.**
- Worked on **Angular 9.0 UI/UX** by consuming **REST API's** & Used **Angular Material** like Themes and Modern Driven (Reactive) forms.

- Involved in the design of the Database and in the **Normalization** of the tables and worked with MYSQL databases.
- Used **Spring Boot** framework to build the web modules for partner systems integration.
- Developing Java **REST Web Services** for different phases.
- Used frameworks to handle application requests using **REST** web services. Implemented the data persistence using **Hibernate**.
- Developed API for using **AWS Lambda** to manage the servers and run the code in the AWS.
- Responsible for installing **Openshift**, administering and support of staging, QA and Production environment and performed failover test. Deployed application in **Openshift** on **Linux**.
- Coding using core java, **Servlets and JSP** using **Eclipse IDE**. Developed Request Handlers using Servlets as Controlling mechanism.
- Implemented the function to send and receive **AMQP messages** on send JMS message to Apache Active MQ on the edge device.
- Involved in developing components on Reporting Dashboard with **Spring MVC**, **Spring Framework** and **Hibernate** & used **Spring Security** to secure the application.
- Developed and created **MySQL** applications as per the technical specifications. Performed the responsibilities of implementing and hosting systems on a web server.
- Code Developed for User and Administrator Modules. Assisted in the documentation of system test strategies and the execution of test cases.
- Involved in Prototype Development. Performed Unit testing using **JUnit**, **Mockito**
- Involved in Prototype Development. Performed Service testing using **Cucumber**
- Built API to perform CRUD operations in **Node JS** to save and retrieve data from database.
- Performed unit-testing for the **Node JS** API using Jasmine framework.
- Using **Java11** developed several **API's** as per the business cases and analyses the **current** API with **Spring Boot**.
- Implemented **OAuth** in our application in order to communicate securely with other protected resources by exchanging access tokens for authentication instead of using username and passwords.
- Worked on deployment, configuration and monitoring and maintenance of **OpenShift** Container Platform.
- Experienced in **OpenShift, Kubernetes** architecture and design, troubleshooting issues and multi-regional deployment models for large-scale applications.
- Implemented micro-services using **Pivotal Cloud Foundry (PCF)** platform built upon **Spring Boot** Services.
- Instructed teams on best practices around **Pivotal Cloud Foundry (PCF).**
- Worked on **Jenkins**, **GitHub**, **Artifactory** and all internal build systems **(CI/CD)** for the core development team on an enterprise-level Java-based cloud orchestration/automation tool.
- Setup **GCP** Firewall rules to allow or deny traffic to and from the VM instances based on specified configuration.
- Used **GCP** cloud CDN to deliver content from GCP cache locations improving user experience and latency.
- Manage large datasets using **NumPy, Panda** data frames and MySQL.
- Worked on data cleaning and reshaping, generated segmented subsets using **NumPy** and **Pandas** in **Python**.
- Utilized **PySpark** with **Python** to develop and execute Big Data Analytics.
- Wrote **Oracle** queries to get the data, update the data from the database and to connect database in the **DAO** implementation classes.
- Created **PL/SQL** scripts to extract the data from the operational database into simple flat text files using **UTL_FILE** package.
- Used Bulk Collections for better performance and easy retrieval of data, by reducing context switching between **SQL** and **PL/SQL** engines.

Environment: HTML, Java 8, Spring MVC/ Boot, REST, SOAP, Data JPA, JDBC, Angular, Advantage DB, Postman, Linux, Putty, Git, Cucumber, Junit, Mockito, SQL, Eclipse and Openshift.

<p style="text-align:center;color:red;">Sr. Java/J2EE Full Stack Developer | GE Health Care | Chicago, IL | June 2019 – September 2021</p>

Key Contributions:

- Involved in the analysis, design, development and system integration and testing phases of Software Development Lifecycle (**SDLC**).
- Followed **Agile** Scrum Methodology to Development Environment. Participated in the daily **SCRUM** meeting and paired programming to produce quality delivery within time.
- Used Spring Boot which is radically faster in building cloud **Micro services** and develop **spring-based** application with very less configuration.
- Load data from various data sources into AFS using **Kafka**.
- Developed **Kafka consumers** to consume data from Kafka topics. **Produced** messages to a secured **Kafka** topic using **Kafka Template.**
- Implemented the function to send and receive **AMQP messages** on Rabbit MQ synchronously and asynchronously and send JMS message to Apache Active MQ on the edge device.
- Involved in developing components on Reporting Dashboard with **Spring MVC**, **Spring Framework** and **Hibernate** & used **Spring Security** to secure the application.
- Used Java Message Service (**JMS**) for reliable and allowed asynchronous exchange of important information and set up a scheduler for spring batch jobs.
- Design and develop common utilities for **JSON** to Java object and vice versa using Jackson libraries.
- Used Core **Spring framework** for Annotation based Dependency injection.
- Used **Spring AOP** to handle transactions session aspects and to implement security and achieved transaction using Spring AOP and stored procedures.
- Used **Python** for creating user controls and involved in **writing API's** and web services in Python using micro-frameworks like **Django.**
- Involved in **developing templates** with python and **Django's view controller** and template language to create user friendly website interface.
- Configured **Hibernate** session factory to integrate Hibernate with spring and used JPA/Hibernate to communicate with data layer and **XML** to read XML data.
- Involved in designing and developing dynamic web pages using **JSF**.
- Developed Dashboards and UI pages with **JSP**, **HTML5**, **CSS3**, **JavaScript**, **jQuery**, and used **Bootstrap** to create Responsive Web pages.
- Analysed designed and implemented change requests using **JSP, Servlets**
- Experienced in **JSP** reports and code generation for Java bean class, form handlers, JSP pages, servlets.
- Creating custom **JSF Facelet** tags for error handling, data tables.
- true/false markers etc.
- Worked on **Angular 4.0** by consuming **RESTful** web services & Used **Angular 4.0** forms like Template Driven forms and Modern Driven (Reactive) forms.
- Developed various JSP custom tag libraries i.e. **JSTL** libraries for achieving most code-reusability.
- Used **node.js** which is event-driven model for data-intensive real-time applications.
- Familiar with **MongoDB** write concern to avoid loss of data during system failures and implemented read preferences in **MongoDB** replica set.
- Design, build, customize and support **Oracle EBS** for Supply Chain modules, troubleshooting, identifying issues, performing root cause analysis, documenting and providing the best solution to the problem.
- Build custom solutions (RICEWF) including but not limited to Forms, Reports, Interfaces, conversions, extensions, Workflows, OAF extensions/customizations and personalization's per Oracle's Recommended Standards

- Good understanding of various types of AWS Elastic Block Storage (**EBS**) and their utilization based on requirements.
- Design roles and groups for users and resources using AWS Identity Access Management (**IAM**) and managed network security using Security Groups and IAM.
- Configured local Maven repositories and multi-component Ant projects with Nexus repositories and scheduled projects in Jenkins for continuous integration/continuous deployment (**CI/CD**).
- Used **Junit** and Cucumber framework for Unit Testing of application.
- Used **GIT** for Source Control and Version Management of all codes and resources.
- Data cleaning using tools like **Pandas** and **Numpy** in **Python**.
- Writing **PySpark and spark SQL** transformation in Azure Data bricks to perform complex transformations for business rule implementation.

Environment: HTML5, CSS3, Java Script, jQuery, JSP, XML, Ajax, Angular, Node.js, Restful Web Services, Java 8, Spring MVC, Spring Core, Spring Boot, Spring Security, NodeJS, JSF, Servlets, Hibernate, JMS, MongoDB, AWS, Apache Tomcat Server, Maven, Jenkins, JUnit, TDD, Log4j, Eclipse, JIRA, GIT.

Java Full Stack Developer | Office Depot | Boca Raton, FL| April 2018 – May 2019

Key Contributions:
- Involved in gathering system requirements for the application and worked with the business team to review the requirements.
- Designed and Developed Solutions in an **Agile/Scrum** Methodology.
- Participate in various phases of Software Development Life Cycle (SDLC) including Requirements Analysis, Design, Implementation and Maintenance of the project.
- Designed and Developed REST based **Micro services** using **Spring Boot**.
- Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST APIs and Spring Boot for micro-services.
- Developed **JSP** pages and client scripts
- Developed **Servlets** and **JSP** based on MVC pattern using Spring Framework.
- Experience in setting up **CI/CD** pipelines using **Jenkins** and **Maven**.
- Developed JSP using DSP and core tag libraries
- Created views using components of prime faces in XHTML files and configured JSF framework.
- Responsible for Continuous Integration and Continuous Delivery process implementation using Jenkins along with Shell scripts to automate routine jobs.
- Extensively worked on **Vault Secret Management** and **Consul**, a Service Discovery tool developed by **Hashicorp**.
- Worked with **Registration** to automatically discover the **Docker** containers running on the host and register them to **Consul**.
- Validated user input by the usage of Angular form validation and Angular JS UI-router for defining application states and also used Angular JS directives for enhancing application performance.
- Experience in Working with a variety of issues involving server connectivity, multithreading, and user interface.
- Used Spring MVC for the controllers used spring security for securing the web tier access.
- Worked on Harshicorp Vault secret management tool to provide security for **credentials, tokens and API keys**
- Drafted improvement plans, and initiatives based on industry best practices and ITIL frameworks.
- Developed Proof of Concepts for various reverse proxies such as **Zuul**, **Linkerd**, **Envoy** to integrate with Consul.
- Worked on **Vault** a secrets storage tool developed by **Hashicorp**.
- Used **Docker-Compose** to run the various docker images on the same container.

- Worked on **JWT** for providing Service to Service security for the Micro services.
- Used **Maven** for build and deploy operations**.**
- Used **JUnit** framework for unit testing of application and Log4j to capture the log that includes runtime exceptions.
- Used **JIRA** for development and issue management.
- Used **GIT** as version controlling tool.
- Used **Python** and several python packages like **Pandas, Numpy** for building machine learning statistical models and data manipulations.
- Deployed the developed applications in **AWS** cloud on **EC2** instances.
- Worked on various AWS components like **ECS**, **VPC**, **Route 53** as DNS, **AWS Cloud formation** for Configuration Management, etc.

Environment: Java, JDK 1.8, Spring, Hibernate, JMS, SOAP web service client (using JAX-WS), Vault, Consul, LinkerD, Zuul, Docker, Restful Web service client (using JAX-RS), LDAP, AngularJS, Rabbit MQ, XML, HTML, AWS, Spring cloud Vault, CSS, AJAX, Spring Security, Spring Boot, Spring Batch, SSO, Oracle 11g, SQL, Oracle, Teradata, Eclipse, Maven, EC2, Spring JDBC, Lambda, JSF, Servlets, API Gateway, SQS, IBM Web Sphere, Junit, GIT, ELK, Jenkins.

<h3 style="text-align:center;color:#c00;">Java Developer | Oracle Financial Services | India| June 2013 – August 2017</h3>

Key Contributions:
- Followed **Agile** Software Development Methodology in the progress of the project.
- Involved in design of Class Diagrams, Sequence Diagrams and Event Diagrams as part of Documentation.
- Used **SAAS** as a software distribution model through which apps are available to the customers.
- Designed and developed the application to be responsive for desktop, mobile and tablets using Twitter **Bootstrap (HTML5, CSS, and JavaScript).**
- Developing the web site for online trading using E-Commerce such as Electronic Data Exchange.
- Extensively used Web Storm for development in the front end and used Subversion as version control system and Tortoise client for **SVN**.
- Developing application design guidance and consultation, utilizing a thorough understanding of applicable technology, tools and existing designs.
- Used AngularJS and **Handlebars.js** framework where data from backend is stored in model and populated it to UI.
- Created **AngularJS** Controller which Isolate scopes perform operations in UI.
- Using **AngularJS** created custom directives for data manipulations and to display data in company standard format in UI.
- Converted the pages from **XMI** (XML Metadata Interchange) to **AngularJS** and in this process had to deal with converting the XMI request and response in the front end to **JSON** (Java Script Object Notation).
- Wrote the controller in **Spring MVC** which delegates the request from front end to the delegator layer and to make calls with backend systems.
- Managed source control and version control using **SVN**.
- Project status tracking using **JIRA**.
- Experienced in problem analysis in both technical system and application programs.
- Database development required the creation of new tables, **PL/SQL** Stored Procedures, **Views**, and Constraints, Triggers and required **SQL** tuning to reduce the response time in the application.
- Creation of database objects like **tables, views, procedures and packages** using oracle tools like **PL/SQL Developer** and **SQL* PLUS**.
- Wrote conversion scripts using **PL/SQL stored procedures, functions and packages** to migrate data from SQL server database to Oracle database.
- Essentially involved in all phases of **SDLC** to structure the unformatted requirements.

- Designed the ER diagrams and structured data in the database with enforcing normalization for a consistent output.
- Used advanced level of **HTML5, JavaScript, CSS3** and pure CSS layouts (table less layout).

Environment: Java 1.7, Web storm, AngularJS 1.3, Ext JS, HTML5, CSS3, JSON, JavaScript, XMI, Maven 2, Eclipse Kepler, Eclipse Juno, XML, Silk SVN, Tortoise SVN, SQL Developer, Spring MVC, Oracle DB, Grunt, Jasmine.