**Jagannadha Rao Katakam**

**Java Tech Lead Manager**

**PROFESSIONAL SUMMARY:**

* Around 15+ years of professional experience in Manufacturing, Distribution & Supply Chain Management, Finance & Hedge Fund, Asset Management & Prime Brokerage, Enterprise & Retail Tax, Retail & Pharmacy with comprehensive knowledge through all phases of leading software development lifecycle right from requirement analysis to maintenance of a project.
* Solid Management Skills - Capable of building, Structuring and leading large teams (10+), maximum level of productivity, motivating large workforces to meet expectations in delivery.
* Working as Java Technical Lead which include extensive experience in development, implementation of business applications with Core Java, Spring Boot, Kafka, Oracle, SQL Server, MySQL, Postgres, SQL, Azure, GCP and UNIX.
* Hands on experience working on multiple projects following Agile development methodology and SCRUM.
* Lead team with integrity and create an environment where team members feel included, valued and supported to do work that energies them.
* An effective communicator with exceptional, analytical, technical, negotiation and client relationship skills with ability to relate to people at any level of business and management.
* Having excellent technical writing skills with hands-on experience in creating Functional Specifications, Mapping Documents, Unit Test Plans, Test Scripts and Status Reports.
* Have worked in different roles in the projects of Manufacturing, Distribution and Supply Chain Management for P&G (formerly Gillette), Asset Management and Prime Brokerage Maintenance using Advent Geneva for Bank of America (Merrill Lynch), Pitney Bowes & Vertex Tax for Retail in Staples, Front Store personalization and Automation for CVS Health Inc.
* Have great ability to learn new technologies, Lead team in migrating legacy applications to open-source technologies.
* Experience in working with Spring Framework including Spring Core, Spring MVC, Spring JDBC, Spring JPA, Spring Cloud and Spring Boot.
* Having good implementation on creating Micro Services using Spring Boot.
* Experience in Event-Driven Microservices using Spring Boot and Kafka.
* Experience in wide range of technologies such as Java, J2EE, JDBC, JSP, Servlets, EJB, JSF, JBOSS,Spring and JPA.
* Implemented various Design Patterns like Model View Controller (MVC), Dependency Injection (DI), Data Access Object (DAO) and Singleton.
* Object-Relational Mapping between Java and Database using Hibernate framework.
* Rich Experience with Java technologies including Java Collections, Interfaces, Synchronization, Serialization, IO, Exception Handling, Java Beans and Java8 features like Lambda Expressions and Streams API.
* Have rich experience in databases like Oracle, PostgreSQL, MySQL and NoSQL (MongoDB).
* Experience in database design using PL/SQL to write Stored Procedures, Functions and strong experience in writing complex queries for RDBMS.
* Experience with modern web application development using Angular.
* Experience in Cloud computing technology like Azure VMs, Azure Blob Storage, File Storage, Azure SQL DB, Azure synapse Analytics (formerly SQL Data warehouse), Azure Data Lake, Azure Virtual Networks, Azure Kubernetes Service, AAD, Azure MFA, Azure DevOps, Azure DevTest Labs, Amazon RDS, Zephyr cloud, GCP.
* Experience in Docker images, Containers and writing the Docker file.
* Managed Docker containerization using Kubernetes(k8) and Have experience on OpenShift.
* Performed unit testing using JUnit, integration and deployment of applications done using tools like Maven and debugging through log4j.
* Experience in Agile development methodology and Kanban methodology.
* Experience in CI (Continuous Integration) and CD (Continuous Deployment) using Jenkins.
* Experience in development tools such as Eclipse, Spring Tool Suite.
* Experience in version control tools like GIT, SVN and ticket tracking platforms like JIRA, Rally.

**TECHNICAL SUMMARY:**

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| --- | --- |
| **Languages** | J2EE, Java, Spring Framework, SQL, PL/SQL, Unix Shell Scripting, Apache Kafka, Rabbit MQ, RESTful Web Service, SOAP, RSLs, Unix Shell Scripting. |
| **Operating Systems** | Windows, Unix, Linux, Ubuntu. |
| **Cloud** | Azure, GCP, Zephyr Cloud |
| **Tools** | Jira, ServiceNow, Rally, Confluence, Git, Bitbucket, Jenkins, SQL Developer, WinSCP, Tortoise SVN, Eclipse, Postman, WebSphere, Docker, Kubernetes, OpenShift, JMeter, Junit, Red Point Data Manager (RPDM), Advent Geneva, Oracle Golden Gate, ETL, Informatica, VisualVM, SOAP UI, Splunk |
| **Databases** | Oracle, SQL Server, MySQL, MongoDB, PostgreSQL, Azure Data Lake, Snowflake, AGA (Advent Global Area) |

**EDUCATION:**

|  |  |  |  |
| --- | --- | --- | --- |
| Degree and Date | Collage | Major and Specialization | Academic grading |
| Master of Computer Applications (MCA)  Nov-2003 | Andhra University | Computer Science | First Class |

**EMPLOYMENT CHRONOLOGY:**

**Client: CVS Health Inc, USA Sep-2019 to Till Now**

**Role: - Java Technical Lead**

**Project #1: -** DSCSA Compliance-Implementation in CFRX Applications

The DSCSA is a critical piece of legislation enacted in the United States to safeguard the integrity of the pharmaceutical supply chain, its goal is to protect patients from potentially harmful drugs by ensuring that only genuine and safe medications reach the market. To achieve this, the DSCSA mandates the implementation of an interoperable electronic system that allows tracking and tracing of prescription drugs as they move through supply chain. Integrate and consume the Supply chain data provided by Trace Link to be in compliance with DSCSA.

**Responsibilities:**

* Build real time Usage processor API Services with java spring boot micro service-based architecture.
* Designed and deployed end-to-end data streaming solutions utilizing Kafka resulting in improved data flow, lower latency, and enhanced fault tolerance.
* Integrated Kafka into a variety of applications and microservices, facilitating seamless communication and ensuring efficient data exchange within a complex ecosystem.
* Building real-time data processing applications using Kafka Streams.
* Lead and developed java spring boot applications for DSCSA Compliance and CVS Front store applications.
* Rich Experience with Java technologies including Java Collections, Interfaces, Synchronization, Serialization, IO, Exception Handling, Java Beans and Java8 features like Lambda Expressions and Streams API
* Represented the Development Team in the meetings with business users regarding Operational Issues.
* Worked on Performance related issues and fine-tuned system processes which improved the operational efficiency.
* Dealt with client issues related to system design as well as to business and suggested process changes.
* Proactively involved in grooming new team members.
* Lead and Guide the Upstream and Downstream application teams to integrate the API Services, Message Queues, and Data Streams.
* Managed Vendors from Trace Link, EDI, and TCS Offshore to deliver projects seamlessly
* Handled Scrum meetings, release meetings.
* Perform code review and review progression and regression results matching with requirements
* Support deployment activity for smoother deployments.
* Requirements gathering and Analysis.
* Effort estimation & timelines.
* Defect Analysis based on the inputs from JIRA.
* Preparing the HLD & LLD based on Functional design document.
* Designing solution for system enhancements/fixes raised through Change Requests on Functional Specifications & approach for Implementation.
* Supervised the work of 10 software engineers and assist them in any technical support.
* Developed Java Spring Boot application which includes the development of producing and consuming REST services as part of user and Microservices.
* Used Java Spring IOC to couple different layers of application such as web, business and DAO layers.
* Developed domain objects and DAO classes using Spring JPA.
* Implemented Java Spring JPA for persistence CRUD operations.
* Implemented Dependency injection (inversion of control) feature of Spring.
* Implemented Event-Driven Microservices using Java Spring Boot and Kafka.
* Implemented API using Java Spring boot, Spring cloud and Microservices.
* Designed and developed RESTful APIs using AWS API Gateway and Lambda.
* Created PLSQL Stored Procedures and functions, Views and multi table joins queries in MySQL database.
* Written Complex SQL Queries and query optimization for handling business data.
* Using dependency injection from the controller and Angular built-in HTTP Client module.
* Developed and maintained a large-scale web application using Angular, HTML, CSS, and JavaScript.
* Working on infrastructure with Docker containerization. Using Docker containers to quickly deploy Linux based applications.
* Developed CI/CD system with Jenkins on Kubernetes environment.
* Unit testing, peer testing & debugging, System integration testing.
* Requirement gathering from clients, converting them to business functionalities.
* Worked in Agile Methodology, attended daily scrum calls and actively participated in poker sizing and sprint planning.
* Prepared configuration documents and test cases
* Provided SIT and UAT Support.
* Coordinate with all stakeholders until the completion of the SDLC cycle of every Change Request.
* Preparing training material for functionalities implemented.

**Environment**: Java, Spring IOC, Spring Boot, Spring JPA, Spring Cloud, Spring Scheduler, Microservices, Kafka, Angular, Restful Web Services, Azure Kubernetes, Azure Oracle, SQLDB, PostgreSQL, MongoDB, Linux, Unix, Ubuntu, Splunk, MySQL, HTML, JavaScript, Git, Maven, Docker, Jenkins, Kubernetes, Swagger, Splunk, Postman, Soap UI, Junit.

**Project #2:** - Customer Data Platform (CDP) & Extra Care Rewards Personalization Engine (PE)

Customer Data Platform is a CVS Retail database that collects all the customer related information and stores into SQLDW, Azure Data Lake Store and massaged into Snowflake and used by business for data analysis and generate promotions. Refreshing the data to avoid legal policies includes but not limited to CCPA, PHR & PII consents. Currently migrating from ADLS Gen 2 to Snowflake. And also implementing a POC to migrate from azure to GCP.

**Responsibilities:**

* Data integration from various upstream applications includes Aetna, CVS front store retail, adobe analytics, extra care rewards, Pharmacy, salesforce into CDP
* Design develop and implement a robust integration system to load the data into CDP
* Design Java-based Microservices applications using Spring framework, The REST API Services are deployed inside the Docker containers in Kubernetes and responsible for packaging, managing and deploying Java applications across Linux servers
* Integrate and migrate the data from Azure data lake store into snowflake
* Scaling/upgrading Azure resources to improve performance of App Services, batch jobs and SQL DW and SQL Database. Designing, developing data extracts/loads using Redpoint Data Management Client
* Virtualizing the servers using Azure Services and configure Azure Kubernetes Services
* Configuring resources for App Services, SQL DW, SQL Server and Adobe in Microsoft Azure environments
* Developing procedures to unify, streamline and automate application development and deployment procedures with Linux Container technology using Docker
* Assist with high-level Architecture and Design documentation and ensure that the development is being carried out currently
* Working with customers or departments on technical issues including software system design and maintenance
* Creating and Managing Azure resource groups, Kubernetes cluster, load balancing, Kubernetes Deployment Controller by defining no of replicas(pods), container-based applications and their associated networking and storage components in Oracle PL/SQL, SQL Server and MongoDB

**Environment:** Jdk1.8, Spring boot, Spring web, Tomcat, Ivy CheckStyle, Gradle Build, Ant Build, Azure Cloud includes-Kubernetes, App Services, SQLDW, SQL DB, Data Lake Store, Snowflake, Azure HDI Clusters, Red Point Data Manager, Oracle 11g/12c, HBase

**Tools:** Eclipse IDE, SSMS, Putty, Storage Explorer, Pl/SQL, UNIX shell scripting, Jenkins GIT, JIRA, SQL developer, Azure Storage Explorer, SQL Server, Management Studio, Red Point Client, Red Point Data Management tool

**Client: Staples Inc, USA Nov-2015 to Sep-2019**

**Role: - Java Technical Lead**

**Project #1**: - Enterprise Tax Services & Tax Exempt - Migration and implementation

Staples need a comprehensive Enterprise Tax Services Engine to calculate the tax rates for Corporate/Retail sales orders.

**Responsibilities**:

* Analysis, design, and development of Enterprise Tax Engine based on business requirements
* Migration of enterprise Tax engine from Sovos to Vertex O Series platform
* Migration of Tax-exempt application to Avalara (Certcapture)
* Integration of Avalara and Vertex O Series applications
* Split the Amazon SQS messages from Avalara using Rabbit MQ to create messages queues utilized by Vertex O Series, POS, VAX, Direct Systems
* Build REST API Services using spring boot for creating/updating Customer/Certificates in Vertex O Series
* Integrating the Tax Exempt/CertCapture & Sovos/Vertex O Series in TDD Approach by using micro services (spring boot). Develop batch jobs using Spring Batch for data extraction from Avalara to Vertex O Series, POS, VAX, Direct Systems
* Develop API calls using Http to generates SKUs, Tax Exempt Customers and Certificates in vertex application
* Develop SKU Central a Web-based UI using J2EE, JSP, Servlets, Angular JS, JDBC for SKUs, Customers, Certificates access to business users
* Data Migration from Enterprise tax modules to Vertex O Series database using spring batch

**Environment**: Jdk1.8, Maven Build, REST/SOAP, Spring boot, Spring batch, Angular JS, Rabbit MQ, eclipse IDE, Apache tomcat, Zephyr cloud, Oracle 11g/12c, Couch Base, MongoDB, Pl/SQL, UNIX shell scripting, Jenkins GIT, JIRA, Confluence, Toad, SQL developer

**Project#2**: - Financial Services Automation (Design, Development & Integration)

Staples needed a comprehensive Financial Services platform to identify exceptions in all financial objects throughout the order lifecycle in near real time.

**Responsibilities**:

* Prepare Analysis, Design Data model for Client requirements
* Upgrade Auto match application with enhanced reports and UI
* Design/Development of reports in JSP/CSS/HTML
* Build DAOs for retrieving the data from database using JDBC and Servlets
* Coding the application in a TDD Approach by using the micro services (Spring boot)
* Design the application UI using JSF and integrate with application API using servlets
* Implementation of the Single Sign in the webserver
* Discovery, Design, and development of the database for FSA platform
* Design and development of oracle database components (Packages procedures, functions)
* Integration of the database layer from source to target systems via Oracle Golden Gate
* Data transformation/massaging using the pl/SQL components
* Design and development of FSA UI (web-based interface application in cloud)
* Cron jobs setup in Linux sever for data extract and loads to upstream and downstream applications
* Design and development of custom reports for the 360 view and event tracking by using dynamic SQL
* Design and development of file upload module. Implementation of Single Sign On, and service now integration for rising requests. Guide DBA in deployment of code from one environment to other
* Build & deploy the application using Ant Build

**Environment**: Jdk1.7, JSP, Servlets, Beans, Springs, JSF, Java Script, Star Team, Ant build, tortoise SVN, eclipse, Tomcat, Oracle 12c, Pl/SQL, SQL developer, Oracle Golden Gate, UNIX shell scripting, Jenkins GIT, Confluence, Bitbucket, Service Now

**Client: Bank of America (Merrill Lynch), USA Aug 2010 – Oct 2015**

**Project**: Prime Brokerage Maintenance (Advent Geneva)

Advent Geneva was a portfolio accounting and performance calculation engine; it is one of the efficient prime brokerage tools used by the hedge fund managers for the performance analysis and reporting. My involvement in this project included creating workflows in informatica for data integration between trading system and Geneva, development of database components like stored procedures, packages, and functions used for accounting and performance data.

**Responsibilities**:

* Analysis, designed, and development as per client requirements
* Development and maintenance of adapters for accounting and performance calculations
* Performance analysis and tuning of prime brokerage application
* Customize/update/Build the Business reports built in JSP/Applets and Servlets
* UI design changes using CCS/HTML/Java Scripts/Applets
* Assisted DB Deployment team for smoother deployment of Database
* Generate reconciliation reports for data between trading system, Geneva and pace applications
* Wrote new RSLs for custom reports and changes to the existing RSLs and the ISL Specs
* Designed and development of packages/procedures/functions for new custom calculations on accounting and Performance data
* Fine-tuned of long running jobs by analyzing the queries, procedures and custom code
* Maintenance of the adapters which loads the data into Geneva (using Geneva loader utility) and ran the RSLs automatically and send the data to downstream systems (DB) for reporting purpose
* As one of the custom requirements developed a utility which will calculate the performance data (DTD, MTD, QTD, YTD) using the Daily Cumulative IRR Data
* Development of the custom reports in Geneva for PnL analysis, portfolio positions and lots, trades, non-trades, corporate actions, realized gain loss reports, change in net assets etc.
* Migration of the advent Geneva from version 7.6 version to version 14.2

**Environment**: Java1.5, JSP, Servlets, HTML, Oracle 11g, Pl/SQL, Ant build, tortoise SVN, eclipse, UNIX shell scripting, Geneva 6.0.6/7.6/14.2, AGA (advent global area), RSLs, RDLs

**Client: Gexpro (Rexel) Jan-2010 to Aug-2010**

**Project**: Gexpro L2 Application Development

Gexpro Electrical Distribution combined productivity tools, large local inventories and dedicated product and applications specialists to get customers the electrical supplies they needed, when and where they needed them.

**Responsibilities**:

* Performance analysis and tuning of SQL queries
* Built PL/SQL modules (Packages, Function etc.)
* Planned, executed and estimation of the development effort
* Designed and coded new functionality for changing business requirements
* Integration and performance testing i.e., Integration test plans and test execution
* Production deployment as per Scheduled
* Concurrent programs creations as per client specifications
* Sop’s (Service Operation Practices) creation for production support automation
* Assigned and coordinated the development work according to project timeline
* Suggested and implement improvements for data integrity
* Application/Database Performance tuning and monitoring

**Environment**: Core Java, Oracle Apps 11, Oracle 10g, PL/SQL, Data Load, UNIX, QTP

**Client: P&G (Gillette) Jan-2005 to Nov-2009**

**Project#1**: - Supply Chain Network Integration and Migration via Data hub

Data hub was a centralized system implemented using the business intelligence technique for the Managistics planning tool used for Supply Chain planning and optimization for customer.

**Responsibilities**:

* Enhancement of processes to achieve the highest quality and to assign tasks and responsibilities
* Integration of flat files and xml files using data mapping between the PUTs and GETs to integrate to oracle relational database components
* Development of data transformations in ETL tool to extracted/loaded the data to database
* Designed database schemas. Develop procedures, packages, triggers and other DB objects
* Involved in integration and application testing
* Development of reporting application for the status monitoring of the system logs and debugging
* Design develop and implement Safety application in MVC by using struts framework
* Maintenance of Safety Application (Web Based) used by the factory managers for healthcare, safety shoes and insurance data
* Recompile the java classes and remove/replace the deprecated methods
* Build custom classes for generating the data and displaying in UI
* Provided alternate solutions for business users for maintaining data transformation
* Designed new functionality for changing business requirements
* Prepared Unit test components for critical database modules

**Environment**: Oracle 9i, Pl/SQL, core Java, tomcat, ETI, Unix Shell Scripting, ETL, Managistics, pl/SQL developer, toad, clarify case tool

**Project#2**: - Maximo-EAM (Enterprise Asset Management System)

Maximo was a web-based EAM (Enterprise Asset Management System) using by Gillette to effectively maintain the Equipment used by machinery, Labor, and other assets reduce maintenance costs on inventory.

**Responsibilities**:

* Provided Customer Support
* Analyzed and estimated of new enhancements
* Application Error Bug fixing (mal function of application) raised by client
* Designed and development of the reports using XML, JSPs, JDBC
* Performance tuned of the application (especially SQL queries) and database design
* Guided the team in providing the solutions in various modules
* Participated in the implementation of efforts for coding, unit testing and code review
* Monitored server and recommend for hardware upgrade of space or add-ons (e.g., processors, disk space, memory) to accommodate current and planned server usage
* Participated actively in business discussions with the customer
* Supported maintenance for the previous product releases

**Environment**: Java, J2EE, JSP, Struts, JDBC, WebLogic, Oracle 9i, UNIX Shell Scripted

**Project#3**: - MDA (Machine Data Acquisition) - Migration (Jdk 1.3 to Jdk 1.4.1)

Includes three Manufacturing Based reporting Applications namely MDA, AMHS and FWAM. The Scope of this project involves implementation and enhancement of look and feel, performance and functional problems and migration of three applications from java 1.3 environments to java 1.4 environments

**Environment**: UNIX, Windows XP, Java, Jdk1.4.2, Jdk1.3, JSP 2.0, Oracle 8i, HTML

**Project#4**: - TSO-Sales wave (Trade Spend Optimization)

The scope of TSO (Trade Spend optimization), PromoPro, and Sales wave (Promotion Evaluation) Applications in supporting business in planning promotions events, evaluating events in terms of profit, evaluating different accounts and analyzing comparisons between products of different companies with their products at different accounts for North America Region.

**Environment**: Windows, Oracle, Java, J2EE, JSP, Struts, EJB, HTML WebLogic, and Ant

**CORE STRENGTHS & SKILLS:**

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| --- | --- |
| Skill | Proficiency (E0 to E4) |
| Project & People Management | E3 |
| Advent Geneva | E3 |
| Python | E2 |
| Java | E3 |
| Azure | E3 |
| PL/SQL | E2 |
| UNIX Shell Programming | E2 |
| Red Point Data Manager | E2 |