**Jaya Prakash Perumalla**

**Sr. Java Full Stack Developer**

**Phone: +1-(929)-352-6844**

**Email:** [**JayPerumallaJava@gmail.com**](mailto:JayPerumallaJava@gmail.com)

**Linkedin:** [**JayaPrakashPerumalla**](https://www.linkedin.com/in/jaya-prakash-perumalla-11622b330/?trk=opento_sprofile_topcard)

**CAREER OBJECTIVE:**

Highly accomplished Sr. Java Full Stack Developer with over 7 years of experience, specialized in Spring Boot development. Demonstrated expertise in designing and implementing Enterprise Resource Management (ERM) systems and integrating IDE capabilities to support multiple data sources. Adept at delivering web applications that align with business requirements and ensure seamless user experiences. Proven track record of streamlining processes to meet targeted Service Level Agreements (SLAs) for project delivery.

**SUMMARY:**

* Skilled Sr. Full Stack Java developer proficient in **Java 21, Java 11, and Java 8,** with a strong understanding of **J2EE** for developing resilient enterprise applications.
* Proficient in utilizing **PL/SQL** to execute secure and efficient database operations, ensuring robust data integrity and optimized performance. Skilled in crafting stored procedures, triggers, and functions to streamline data manipulation and enhance database reliability.
* Expertise in **Angular14** for building responsive **web applications** and proficient in **React, HTML5, CSS3,** and **JavaScript** for dynamic **UI/UX** development, enhancing user interactions.
* Well-versed in **UI/UX design** principles and front-end optimization techniques, adept at creating intuitive and compelling user interfaces. Experienced in applying usability principles and design patterns to enhance user engagement and satisfaction, ensuring seamless navigation and accessibility.
* Proficient in **Spring Boot, Hibernate, RESTful APIs**, and **Apache Kafka**, enabling the development of efficient and resilient backend solutions for scalable applications.
* Skilled in integrating databases with Java applications to ensure seamless data flow and efficient retrieval, leveraging **ORM frameworks** like **Hibernate**.
* Skilled in **MySQL, Oracle, SQL Server,** and **MongoDB** for data storage and access, adept in report creation, schema design, and implementing map reduce operations.
* Familiar with **Amazon Web Services (AWS)** such as **EC2, RDS, S3, ELB, EBS, CloudWatch, IAM,** and **Elastic** **Cache** for scalable and reliable cloud infrastructure management.
* Proficient in **Google Cloud Platform** (GCP), adept at designing, deploying, and optimizing cloud-based solutions to drive scalability, reliability, and cost-efficiency for diverse enterprise applications.
* Proficient in utilizing **Maven** for automated build processes, **Jenkins** for continuous integration and continuous delivery (CI/CD) pipelines, **Docker** for containerizing applications, and **Kubernetes** for efficient orchestration and management of containerized environments.
* Proficient in **Git** and **SVN** for version control, utilizing advanced branching strategies to ensure code stability and streamline collaboration in team environments.
* Highly knowledgeable in **Agile** and **Scrum** methodologies, adept in conducting daily stand-ups and sprint planning sessions to drive project efficiency and deliver quality software solutions.
* Skilled in writing **unit tests** using **JUnit** and **Mockito** to ensure thorough code testing and validation, enhancing software quality and reliability.
* Extensive expertise in **Spring Framework** components including **Spring Core, MVC, Security, Boot, Batch, IOC, AOP, DAO, Data,** and **Actuator**, ensuring scalable and secure enterprise application development.
* Skilled in utilizing **Eclipse, IntelliJ IDEA, Visual Studio Code, and Spring Tool Suite** to facilitate efficient software development, debugging, and testing workflows. Proficient in configuring and optimizing these **integrated development environments** (IDEs) to enhance productivity and code quality, ensuring smooth and reliable application development across various projects and frameworks.
* Experienced in designing and executing comprehensive test suites, utilizing **Postman's** features to simulate various API scenarios, validate responses, and troubleshoot issues effectively.
* Exceptional **problem-solving skills** with a proactive and inventive mindset, capable of dissecting complex issues and implementing pragmatic solutions to enhance efficiency and resolve critical challenges.

**TECHNICAL SKILLS:**

| **Programming Languages** | **Java 17.0/11.0/8.0/7.0, PL/SQL** |
| --- | --- |
| **Java/J2EE Technologies** | **Servlets, EJB, JPA, JDBC, JSP, JSTL, JNDI.** |
| **Frameworks** | **Spring 4.3, Hibernate 2.0/3.0/4.x, Spring Security 3.2** |
| **Application/Web servers** | **Apache Tomcat 8, IBM WebSphere 8.x/9.x, Jenkins, WebSphere** |
| **Relational Databases** | **Oracle 10g/11g, MySQL 5.7, DB2 11.1** |
| **NoSQL Databases** | **MongoDB, Cassandra** |
| **Internet Technologies** | **HTML 5, JavaScript 1.8, XML 2.0, CSS 3 and CSS 4, jQuery 2.11, Angular 10, Node JS 6.0.** |
| **Cloud Environments** | **AWS, PCF, Netflix Eureka, Kubernetes.** |
| **IDE** | **Eclipse, NetBeans 8.0.2, IntelliJ 2017.1, Spring Tool Suite (STS) 3.8.3** |
| **Operating system** | **Windows 10, Linux, Unix** |
| **Testing &Bug tracking Tools** | **JUNIT4.12, JIRA 7.0, Bugzilla 4.4.12, Curl 7.36** |
| **Methodologies** | **Agile, waterfall, TDD (Test-Driven-Development), Scrum** |
| **Developer IDE Platforms** | **Eclipse, NetBeans 8.0.2, IntelliJ 2017.1, STS 3.8.3, GITHUB 2.12.0** |
| **Build Tools** | **Maven 3.3.9, Gradle 3.4.1** |
| **Web Services** | **SOAP 1.2, REST 2.0, JAX-WS, JAX-RPC, JAX-RS, Apache Axis** |

**PROFESSIONAL EXPERIENCE:**

**Client: FIS , Cincinnati-OH**

**Duration: FEB 2024- Present**

**Role: Sr. Java Full Stack Developer**

**Description:** Fidelity Information Services LLC, known as FIS, is a global provider of software and payments services to commercial and investment banks, asset managers and merchants. It provides technology solutions for retail and institutional banking, payments, asset and wealth management, risk and compliance, payment processing, consulting, and outsourcing.

**Responsibilities:**

* Involved in requirements gathering, design and development and testing phase of **SDLC**.
* Involved in **Agile** Methodology, utilizing **JIRA** for creating and managing requirements through **User Stories**.
* Developed dynamic, responsive web applications using **Angular 14**, leveraging its advanced features such as standalone components and typed forms for enhanced performance and maintainability.
* Implemented state management solutions with NgRx in **Angular 14** applications, ensuring efficient handling of complex application states and improved scalability. Spearheaded the migration process to adopt **Java 17**, consolidating its latest features and enhancements to optimize application performance, enhance security, and ensure compliance with modern Java standards.
* Implemented **Java 21** features such as **sealed classes**, **pattern** **matching** for switch statements, and local-variable type inference, enhancing code readability, maintainability, and overall development efficiency.
* Applied enhancements from **Java 21**, including the new and improved APIs and library updates, to optimize application performance and functionality.
* Designed and implemented **RESTful web services** using **Spring Boot**, reducing development time and enhancing **scalability** by utilizing its auto-configuration and **convention-over-configuration** features.
* Implemented **Spring Actuator** to monitor and manage Microservices and applications, providing endpoints for health checks, metrics, and monitoring of application internals.
* Configured job scheduling, error handling, and transaction management within **Spring Batch jobs**, ensuring data integrity and reliability in data processing workflows.
* Implemented **OAuth 2 authentication and authorization** mechanisms using **Spring Security and Open ID connect**, securing **RESTful APIs** and web applications.
* Utilized **Hibernate** ORM framework for seamless persistence of Java objects into **relational databases**, improving data access reducing boilerplate code through its **object-relational** mapping competencies.
* Implemented **Istio service mesh** to enhance microservices communication, traffic management, and observability within **Kubernetes** clusters. Implemented **Istio's security** features, including **mutual TLS (mTLS)** authentication and access control policies, to ensure secure communication between services.
* Designed and implemented scalable **Microservices** architecture on **AWS**, utilizing services like ECS/EKS, Lambda, API Gateway, and DynamoDB to achieve high availability and fault tolerance.
* Integrated **Kafka** for event-driven communication between **Microservices**, ensuring real-time data processing, event sourcing, and stream processing capabilities. Implemented message queues and **Kafka** topics to decouple services, improve scalability, and maintain data consistency across distributed systems.
* Experienced in writing **Docker files** to define application environments and dependencies, optimizing **Docker** image builds for consistency and reproducibility.
* Skilled in deploying and managing containerized applications on **Kubernetes** clusters, leveraging **Kubernetes** resources (Deployments, Pods, Services) for scalability and high availability.
* Designed and implemented **CI/CD** pipelines using tools like **Jenkins**, GitLab CI/CD, or GitHub Actions, integrating **Docker** and **Kubernetes** for automated builds, tests, and deployments.
* Utilized **Swagger**-generated client libraries or tools like Postman for API testing and validation against **Swagger/OpenAPI** definitions.
* Integrated **Drools** rule engine with Java EE or Spring applications, implementing rule execution and evaluation within application workflows.
* Successfully integrated **text-to-speech APIs into IVR systems**, enabling dynamic generation of voice prompts and messages based on user inputs and application logic.
* Configured and maintained **Log4j2** logging framework to monitor application performance and troubleshoot issues effectively, ensuring comprehensive log management and compliance with industry standards.
* Orchestrated the development and integration of **MuleESB**, **leveraging** its robust capabilities to facilitate seamless communication between **disparate systems**, streamline data flow, and enhance overall efficiency and agility in business processes.
* Conducted **code reviews** and implemented best practices to ensure **code quality**, **maintainability**, and **scalability** of Java-based applications, fostering a culture of continuous improvement and innovation.
* Worked on **performance optimization** and scalability enhancements of existing systems, identifying **bottlenecks**, and **implementing** optimizations to improve overall system **efficiency** **and user experience**.
* Demonstrated strong **problem-solving skills** and a proactive approach to **troubleshooting**, **diagnosing**, and **resolving** technical issues to ensure seamless operation of production systems and applications.
* Designed and implemented robust **MongoDB** schemas to support high-volume, low-latency applications, enhancing data integrity and reducing query execution time by 40%.
* I possess advanced skills in crafting **MongoDB** queries that are optimized for performance. This includes a deep understanding of how to effectively utilize indexes to expedite data retrieval and aggregation processes.
* **Led production support** efforts as **Lead** for Java applications, overseeing enhancements and optimizations to ensure seamless operational performance.

**Environment:** Java 17, REST Web Services, Spring 4.x, Hibernate 4.x, Angular 14, J2EE, Istio Mesh, Microservices, Kafka, AWS, Agile Methodology, Spring Boot, Spring Security, Docker, Jenkins, Kubernetes, Swagger, Drools, Log4j2, MuleESB, JIRA processes, GIT, Design Patterns, JUnit, JMeter, Postman, Maven, Eclipse IDE, Mongo DB.

**Achievements:**

* Entrusted with the esteemed role of an architect, leading the effort in gathering comprehensive business requirements, conducting in-depth analysis, and skillfully crafting user stories.
* Honored with a prestigious award for exemplifying unparalleled efficiency, exceptional responsiveness, and outstanding problem-solving skills, setting a benchmark as the best developer within the team.

**Client: State of Michigan- Lansing, MI**

**Duration: May 2023 – FEB 2024**

**Role: Sr. Java Full Stack Developer**

**Description:**The Michigan Department of Human Services (MDHHS) implemented the soft launch for its new Michigan Statewide Automated Child welfare Information System (MISACWIS). This new system has been built in partnership with the Michigan Department of Technology, Management and Budget (DTMB), project Implementation Partner Conduent. The goal of MISACWIS is to offer an improved case management tool for child welfare in Michigan, especially for Children’s Protective Services (CPS), foster care and adoption cases. The system's mission is to support service delivery and practice for the safety, permanency, and well-being of children and families. I worked on a Provider Management module for maintaining Providers and Placement information about resource providers like names, address, staff members, home studies, certifications, and service credentials.

**Responsibilities:**

* Involved in requirements gathering, design and development and testing phase of **SDLC**.
* Followed **Agile** Methodology and used **JIRA** to create and manage requirements via User Stories.
* Extensively used **Angular 10** to generate components, routes, services, and pipes, and to run tests. Implemented **Angular 10** router for navigation services to connect the web application to APIs, leveraging **ES6** features. Utilized **Angular 10** services and factories for making **RESTful API** calls and managing data efficiently.
* Utilized **Java 11** features of using new String methods like isBlank(), lines(), and strip() to enhance string manipulation and handling.
* Using **Spring boot**, **Docker**, **Git**, **Maven** to implement new micro services or refactoring existing ones. Have also **designed** and **developed** REST interfaces in **Java** **11**.
* Proficient in configuring and setting up **Spring Batch** jobs using XML configuration or Java-based configuration.
* Proficient in scheduling **Spring Batch** jobs using **cron expressions** or integrating with enterprise scheduling tools like Quartz Scheduler.
* **Microservices** with **Spring boot** to configure the **hibernate** and **SQL** database to multiple functionalities.
* Designed and implemented a cloud-native **Microservices architecture** leveraging **Istio service mesh** on **Kubernetes**, ensuring enhanced observability, traffic management, and security across services.
* Used **Spring** **Actuator** to monitor and manage the application in production environment.
* Proficient in **Spring Batch** framework for developing robust and scalable batch processing applications, leveraging features such as **chunk-based** processing, **transaction** management, and **job scheduling** to automate and streamline data processing workflows.
* Leveraged the **Azure** Virtual Machines (VM) service to seamlessly **deploy** applications, ensuring high availability and scalability.
* Proactively monitored application performance and logs using **Azure** Monitor and Azure Log Analytics to identify and troubleshoot issues promptly, optimizing application uptime and reliability.
* Implemented API-led connectivity architecture using **MuleESB**, allowing for the creation, deployment, and management of APIs to unlock data and streamline application integration across the organization.
* **Integrated chatbots** seamlessly with backend systems, APIs, and databases, establishing bidirectional communication channels for real-time data retrieval and updates. This integration empowered chatbots to execute diverse tasks, including retrieving account details, processing transactions, and maintaining comprehensive records with accuracy and efficiency.
* Working on creation of custom **Docker** container **images**, **tagging**, **pushing** images, integration of Spring boot.
* Managing **Docker** orchestration and Docker containerization using **Kubernetes** with **kubectl** commands.
* Proficient in **Kubernetes** for container orchestration, ensuring seamless deployment, scaling, and management of containerized applications in diverse computing environments.
* Experienced in **Apache Kafka** for building robust and scalable messaging systems, facilitating real-time data processing and enabling efficient communication between microservices and data pipelines.
* Proficiently utilized **Maven** as a robust build and dependency management tool to streamline the creation of **EAR, WAR, and JAR** files, ensuring smooth and efficient deployment of applications.
* Applied keen attention to detail in proactively identifying and resolving issues by meticulously monitoring error logs using **Log4j2**, thereby ensuring the stability and reliability of software systems.
* Crafting comprehensive test cases utilizing **JUnit5** and **Mockito** framework, employing advanced functionalities such as spy methods and return methods to ensure thorough testing coverage across various scenarios and functionalities.
* Demonstrated proficiency in utilizing **GIT** as **a centralized version control** repository, fostering collaborative development practices among a team of developers. This implementation facilitated seamless integration, enabling efficient version tracking and synchronization of shared source code across multiple developers, thereby enhancing overall productivity and code quality.
* Used **Oracle 12c** database to design various tables required for the project and used **Stored Procedures**.
* Participated in meticulous validation of pull requests and conducted regular, rigorous **code reviews** to uphold and enforce uncompromising standards of code quality, ensuring adherence to best practices and optimization of software performance.
* Actively engaged in **Production Support**, effectively addressing **application** requirements, and contributing to minor **enhancements**, such as refining existing features, improving user interfaces and system optimization.

**Environment:** Java 11, REST Web Services, Spring 4.x, Hibernate 4.x, Angular 10, J2EE, Tomcat, Istio Mesh, Microservices, Kafka, Agile Methodology, Azure, Spring Boot, Docker, Kubernetes, Oracle 12c, Log4j2, MuleESB, JIRA processes, GIT, PL/SQL, Junit5, Mockito, JMeter, Postman, Maven, Eclipse IDE.

**Achievements:**

* Honored with the distinction of being recognized as the most innovative developer within the team, showcasing exceptional creativity, problem-solving skills, and a forward-thinking approach to software development.
* Demonstrated exceptional leadership capabilities by assuming the role of a team lead, successfully steering the project to completion within the stipulated time frame and ensuring its timely delivery with utmost quality.

**Client: TASHEE LINUX SERVICES**

**Duration: Sep 2020 – Aug 2022**

**Role: Java Full Stack Developer**

**Description:** Taashee Linux Services is a global technology company that provides IT solutions to businesses using open source and commercial technologies. Their services include:

Enterprise content management: Offers scalable and secure solutions for document management, digital asset management, and workflow automation.

**Responsibilities:**

* Worked on **Agile** methodology including team-based design and code reviews.
* Collaborated closely with Business Analysts to develop and rigorously test new **business processes, web services, and** **batch jobs,** ensuring seamless integration and reliable execution of backend data processing tasks within scheduled timeframes.
* Familiar with state management techniques in **Angular 6** applications using services, observables, and state management libraries like NgRx.
* Successfully updated dependencies and third-party libraries to versions compatible with **Angular 6** from **Angular 6**, ensuring smooth integration and functionality.
* Proficiently utilized **Java 8** concepts, including Stream APIs and Functional Interfaces.
* Actively involved in leveraging the Oracle Middleware Suite and Oracle database within a **Service-Oriented Architecture (SOA) environment.**
* Engaged in the development and testing of **Service-Oriented Architecture (SOA)** components, SOAP-based EJB web services, batch processing, and Java Persistence API (JPA) for efficient management and persistence of data within the application ecosystem.
* Use of **SoapUI**, **Junit** **4, JDeveloper, SQL Clients, PMD** and Check style development tools for testing.
* Responsible to work on implementing one or more HIPAA-compliant **EDI X12** or **NCPDP** transaction formats **like 270, 271, 278, 276, 277, 820, 834, 835, 837P, 837D, and 837I.**
* Taking on a pivotal role in the software development process by expertly crafting **WSDL** documents and **XML**, **XSD** to define the structure and data formats. Additionally, skillfully configuring **JNDI** connections, enabling efficient and reliable access to external resources, **databases**, and services for EVV functionality.
* Employed **Maven** as a robust build and dependency management tool to generate **EAR, WAR, and JAR** files, ensuring streamlined deployment and efficient project management.
* Designed and implemented a **logging** module utilizing **Log4J** to generate detailed log files, facilitating effective debugging and tracing of application activities.
* Created comprehensive **unit test** cases for server-side applications using the **JUnit** and **Mockito** frameworks, ensuring the reliability and quality of code through rigorous testing methodologies.
* Optimized **SQL queries** and database performance through **indexing**, **query refactoring**, and execution plan analysis, resulting in improved application responsiveness.

**Environment:** Agile Methodology, Waterfall Methodology, Angular 6, Java 8, SOAP Web Services, SOA Environment, Spring Batch, JMS, Message Driven Beans, SQL Clients, JNDI, WebLogic, Hibernate, Log4j, Oracle 11g, GIT , JUnit, Maven, Eclipse IDE.

**Client: QUALITLABS PVT LTD**

**Duration: June 2017 – August 2020**

**Role: Java/ J2EE Developer**

**Description:** This project involves developing a J2EE based framework to support dynamic report creation from various distributed databases. The framework supports dynamic PDF report generation using iText, an open-source PDF generation library. The framework facilitates new report formats and databases by using xml configuration files.

**Responsibilities:**

* Involved in **SDLC** requirement gathering, analysis, design, development, testing and deployment of applications by using **Agile** (SCRUM) methodology.
* Utilized **React JS modules**, **hooks, context API, and lazy loading** techniques to develop a responsive Single Page Application (SPA), ensuring optimal performance and user experience.
* Utilized **React.js** components, props, and state management to build modular and maintainable frontend Components.
* Integrated **React.js** frontend with Java-based backend services using **RESTful APIs**, ensuring seamless data flow and real-time updates.
* Integrated **RESTful APIs** with **React components,** utilizing **asynchronous JavaScript** (async/await) for efficient data fetching and updating.
* Used **Java 8** Stream API for bulk data operations on collections using both **Streams** and **parallel** streams.
* Expertise in using **Functional Interfaces**, which are interfaces with a **single abstract method** that enable the use of **Lambda** expressions, making code more concise and expressive.
* Design and develop microservice business components using **java**, **Spring Boot, Spring Security, Spring Batch, Spring Data JPA** and implement REST web services based on RESTful APIs.
* Experienced in writing the **Spring corn** jobs for running the failed records on regular schedules.
* Skilled in utilizing **Swagger** to meticulously design and thoroughly document **Restful** APIs, facilitating clear, concise, and effective communication among development teams, stakeholders, and API consumers.
* Employed **Hibernate Query Language** (HQL) and Hibernate criterion queries to construct and execute diverse queries against the database, enhancing data retrieval and manipulation.
* Played an integral role in crafting **Hibernate mapping** files (HBM files) and configuration files, facilitating seamless integration and data mapping within the application.
* Implemented **Kafka Producer** and **Kafka Consumer** within Microservices architecture to enable real-time data streaming and processing, ensuring smooth data flow.
* Proficient in designing, deploying, and managing cloud infrastructure on **Google Cloud Platform (GCP),** including Compute Engine, Kubernetes Engine, and Cloud Functions.
* Implemented continuous integration and continuous deployment (CI/CD) pipelines on **GCP** using Cloud Build, GitHub Actions, or Jenkins, automating application deployment and testing processes.
* Extensive experience in configuring and maintaining **Kubernetes clusters**, ensuring high availability, fault tolerance, and optimal performance of applications.
* Utilized **Docker** containers for the efficient management and monitoring of microservices, ensuring seamless deployment and scalability.
* Developed **logging** module using **Log4j2** to create log files to debug and trace applications.
* Designed and executed performance scenarios in **JMeter**, subsequently generating insightful graphs for performance analysis and optimization.
* Skilled in optimizing **Oracle 11g** database performance by analyzing SQL queries, configuring indexes, and monitoring database metrics using tools like Oracle Enterprise Manager (OEM).

**Environment:** Java 8, REST Web Services, React JS, Hibernate, Swagger, HQL, Kafka, AWS Cloud Watch, Agile Methodology, GCP, Spring Boot, Spring Cloud, Spring Security, Spring Batch Jobs, Oracle 11g, Microservices, Docker, Kubernetes, Log4j2, JIRA, GIT, JUnit, JMeter, TestNG, Maven, Eclipse IDE.