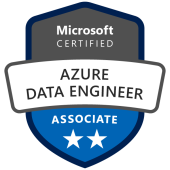
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**Sai Pavan**

**Senior Java Full Stack Developer**

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**Career Synopsis:**

* **Amazon Web Services** (AWS) certified professional with Around 11 years of experience in **Java/J2EE applications** and complete life cycle of system development including analysis, design, development, testing and implementation phases in **Banking,** **Insurance**, **Health Care domains**.
* Proficient in **Agile** methodologies, with a demonstrated track record of leveraging them to successfully gather, analyze and translate functional, business and system requirements into robust Java-based solutions.
* Proven track record in Multithreading, **Core Java** Programming and comprehensive utilization of **Java** **collections**. Proficiently applied this expertise to architect and develop highly resilient server-side functionality and intricate business logic.
* Proficient in using **Java 8**, **Java 11** and **Java 14** to design, develop and deploy efficient, scalable software solutions, capitalizing on advanced features and improvements in OOP principles, functional programming and security.
* Experience in developing Front End components (UI) using **JSP**, **JSF** (Prime faces), **JSTL**, **JavaScript**, **jQuery**, **AJAX**, **Angular JS**, **Node JS**, **React JS**, **HTML5**, **CSS3** (Sass/LESS) and **Bootstrap** for projects based on java platform.
* Solid experience in utilizing popular **JavaScript** frameworks **ECMAScript** **6** (ES6) /libraries such as **React**, **Angular** and **Vue JS** to develop responsive and user-friendly front-end.
* Experience in developing Web Applications with various Open-Source **Spring Frameworks** - **Spring MVC**, **IOC**, **AOP**, **DAO**, **JDBC,** **JTA, IO**, **Hibernate ORM**, **Spring Boot, Micro services, Spring REST, Spring Eureka, Spring Ribbon** and **Spring JPA.**
* Hands-on experience in **Microservices**, **Spring Boot** with cloud technologies such as **Pivotal Cloud Foundry** (PCF) and etc.
* Extensive experience in building modular and reusable UI components using Vue JS, promoting code reusability and maintainability across projects.
* Experience in implementing **SOA** (Service Oriented Architecture) using **Web Services** - **SOAP**, **WSDL**, **Restful** and **JAX-WS** and **REST** Services.
* Strong Knowledge on **Hibernate** and in using Hibernate Connection Pooling, HQL, Collections, Hibernate Caching, Hibernate Transactions. Experience with **Hibernate JPA** Entity Manager for CRUD Operations.
* Highly skilled in relational database management systems (**RDBMS**) with expertise in Schema design, query optimization and proficient in **Oracle**, **MySQL** and **PostgreSQL** and Proficient in working with **NoSQL** databases such as **MongoDB**, **Cassandra** and **Redis**, leveraging their capabilities to efficiently handle and process large volumes of unstructured or semi-structured data.
* Proficient in utilizing cloud platforms such as **Amazon Web Services** (AWS), **Microsoft Azure** and to build scalable, secure and highly available solutions.
* Well-versed in implementing **CI/CD** (Continuous Integration/Continuous Deployment) practices using industry-standard tools such as **Jenkins**.
* Experience in containerizing microservices using **Docker** and orchestrating deployments with **Kubernetes**, ensuring automated scaling, recovery and seamless updates.
* Skilled in integrating messaging systems such as **JMS**, **ActiveMQ**, **RabbitMQ**, **Apache Kafka** and **Apache Camel** to facilitate asynchronous message passing, event-driven architectures and real-time updates.
* Proficiency in employing and customizing leading build tools like **Apache Maven**, **Apache Ant**, **Apache Builder** and **Gradle**.
* Proficient in using popular integrated development environments (IDEs) such as **IntelliJIDEA**, **Eclipse** and **NetBeans** to enhance productivity, facilitate code refactoring and enable efficient debugging.
* Well-versed in version control systems such as **Git** and **Subversion**, utilizing them for efficient code collaboration, version tracking and branching strategies.
* Skilled in deploying applications on application servers such as **Apache** **Tomcat**, **JBoss** and **IBM** **WebSphere** to ensure optimal performance and availability.
* Proficient in utilizing testing frameworks such as **JUnit**, **TestNG** and **Mockito** to ensure comprehensive and reliable testing of Java applications.
* Well-versed in utilizing bug tracking tools like **Jira** and **Bugzilla** to effectively track and manage software defects, facilitating efficient issue resolution and ensuring high-quality deliverables.
* Proficient in integrating logging frameworks such as **Log4J**, **SLF4J** and Apache Logging to capture and analyze application logs, enabling effective debugging, troubleshooting and performance monitoring.
* Strong problem-solving skills, adept at troubleshooting and debugging complex issues in production environments.

**Technical Mastery:**

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| **Languages** | Java/J2EE, ECMAScript 6 (ES6), JavaScript, HTML5, CSS3 (Sass/LESS), SQL, HQL |
| **Java Features** | Multithreading, Core Java Programming, Java Collections, Java 8, Java 11, Java 14 |
| **Front-End** | JSP, JSF (Prime faces), JSTL, jQuery, AJAX, Angular JS, Node JS, React JS, Bootstrap, Vue JS |
| **Back-End Frameworks** | Spring - Spring MVC, IOC, AOP, DAO, JDBC, JTA, IO, Spring Boot, Microservices, Spring REST, Spring Eureka, Spring Ribbon, Spring JPA, Hibernate ORM |
| **Web Services** | SOA, SOAP, WSDL, Restful, JAX-WS, REST Services |
| **RDBMS** | Oracle, MySQL, PostgreSQL |
| **NoSQL Databases** | MongoDB, Cassandra, Redis |
| **Cloud Platforms** | Amazon Web Services (AWS), Pivotal Cloud Foundry (PCF), Microsoft Azure |
| **CI/CD Tools** | Jenkins, Travis CI |
| **Containerization** | Docker, Kubernetes |
| **Messaging Systems** | JMS, ActiveMQ, RabbitMQ, Apache Kafka, Apache Camel |
| **Build Tools** | Apache Maven, Apache Ant, Apache Builder, Gradle |
| **IDEs** | IntelliJIDEA, Eclipse, NetBeans |
| **Version Control tools** | Git, Subversion, CVS |
| **Application Servers** | Apache Tomcat, JBoss, IBM WebSphere |
| **Testing Frameworks** | JUnit, TestNG, Mockito |
| **Bug Tracking Tools** | Jira, Bugzilla |
| **Logging Frameworks** | Log4J, SLF4J |

**Certified Achievements:**

* Microsoft Azure Solutions Architect
* AWS Certified Developer

**Academic Qualification:**

* Bachelor of Technology in Computer Science

**Career Journey:**

**Client: Zurich North America, Chicago IL Duration: Aug 2021 to Present**

**Role: Senior Java Full Stack Developer**

**Project Role & Contributions:**

**Corporate Insurance Management System:** Develop a web portal tailored for corporate clients to effectively manage their insurance objects, including employee insurance, motor vehicle insurance, liabilities, assets, and claims. The Corporate Insurance Management Web Portal offers a centralized and comprehensive platform that simplifies the process of adding, editing, and overseeing various insurance policies and objects.

* Specialized in **Agile** methodologies, mastering iterative models throughout the SDLC, ensuring timely and efficient project execution.
* Applied Core Java concepts and **Java 11** and **Java 14** features proficiently across various stages of projects, from analysis and design to development and testing.
* Designed, developed and maintained **RESTful APIs**, ensuring seamless interoperability between various systems and applications.
* Expertly designed and developed responsive web applications using technologies such as **HTML5**, **CSS3**, **JavaScript** and **React JS.**
* Implemented dynamic and interactive user interfaces, utilizing various predefined components from **NPM** and the **Redux** library.
* Proficiently leveraged the **Spring** Framework, including **Spring Boot** and **Spring Security** to craft scalable and robust enterprise applications.
* Utilized **Hibernate** **ORM** for efficient mapping of **Java** **classes** to database tables, optimizing application development and maintenance processes.
* Engineered and deployed **Microservices** using **Spring Boot**, adhering to best practices to enhance modularity and scalability.
* Expertly utilized **Azure** services like **Azure Virtual Machines**, **Blob Storage**, **Azure Functions** and **App Services** to bolster application development and deployment.
* Implemented **Docker** for application containerization, paired with **Kubernetes** for automated orchestration, scaling and management of deployed containers.
* Configured and managed **MongoDB** databases, optimizing performance and scalability to meet the demands of application data storage and retrieval.
* Executed seamless configuration and optimization of **Apache Tomcat** application servers to ensure reliable application deployment and performance.
* Managed comprehensive **CI/CD** pipelines using tools like **Jenkins** and **Travis CI**, automating workflows to ensure reliable software delivery.
* Utilized **Git** for robust version control, facilitating collaborative development and maintaining codebase integrity throughout the SDLC.
* Leveraged **Jira** for effective bug tracking, issue management and workflow coordination, enhancing project management efficiency.
* Implemented **JUnit** for rigorous unit testing, ensuring software robustness and reliability through various stages of development.
* Utilized **Log4J** for effective real-time application monitoring, debugging and performance analysis, ensuring optimal operation and maintenance.
* Expertly managed and utilized **Apache Kafka** for enhanced messaging and data communication in distributed systems.
* Applied advanced tools like **IntelliJ IDEA**, enhancing development efficiency and code quality throughout the SDLC.
* Optimized build workflows through proficient use of **Apache Ant**, ensuring streamlined development pipelines and effective project compilation.

**Technical Landscape:** Java 11, Agile, Core Java RESTful APIs, HTML5, CSS3, JavaScript, React.js, NPM, Redux library, Spring Framework, Spring Boot, Spring Security, Hibernate ORM, Azure Virtual Machines, Azure Blob Storage, Azure Functions, Azure App Services, Docker, Kubernetes, MongoDB, Apache Tomcat, Jenkins, GitLab CI/CD, Travis CI, Git, Jira, JUnit, Log4j, Apache Kafka, IntelliJ IDEA, Apache Ant.

**Client: Centene Corporation, St Louis MO Duration: Apr2018 to Jul 2021**

**Role: Senior Java Full Stack Developer**

**Project Role & Contributions:**

**Distributed Electronic Health Record (EHR):** Developed a web service that enables authorized healthcare professionals to access patients' electronic health records across different branches or locations. The service provides a secure and centralized platform for seamless access to patient information regardless of the physical location of the healthcare provider.

* Directed **Agile-Scrum** projects throughout the SDLC, orchestrating sprint planning, daily stand-ups and retrospectives, fostering team coordination for efficient and effective project delivery.
* Utilized advanced **Java 8** features such as lambda expressions, multithreading, method references and functional interfaces to optimize application development processes.
* Exploited **Eclipse IDE** to augment **Java application** development, streamlining workflows and bolstering team collaboration and code quality throughout the **SDLC**.
* Spearheaded the design and deployment of dynamic user interfaces, employing technologies like **HTML5**, **CSS4**, **Bootstrap**, **JavaScript**, **Angular** and **Node JS** to deliver interactive and responsive web applications.
* Incorporated **Angular's** reactive forms to facilitate efficient data collection and validation, enhancing user experience and minimizing backend validation necessities.
* Used **Spring** ecosystem, particularly **Spring Boot** to integrate **REST** **Microservices** seamlessly with persistence mechanisms, optimizing application workflows.
* Designed and maintained robust **Microservices** within a modular architecture, adhering to industry best practices to enhance application scalability, modularity and maintainability.
* Leveraged **Azure** cloud platform and its services such as **Azure DevOps** and **Kubernetes** Service to optimize application deployment, management and scaling in cloud environments.
* Orchestrated **Kubernetes** deployments, automating application scaling, recovery and updates to optimize resource utilization and application management in containerized environments.
* Established comprehensive CI/CD pipelines using **Jenkins**, **Docker** and **Terraform**, automating deployment processes for enhanced operational efficiency and reliability.
* Managed and optimized **DynamoDB**, enhancing application performance through efficient data storage and retrieval mechanisms.
* Applied **Hibernate ORM**, simplifying the mapping of Java classes to database tables, thereby accelerating development and easing maintenance.
* Configured and managed **JBoss** application servers, ensuring optimized performance, resource utilization and consistent application deployment across various environments.
* Administered Java Message Service (**JMS**) for streamlined data transmission within distributed systems, bolstering system scalability and operational efficiency.
* Utilized **Apache Maven** to manage project dependencies, automate build processes and streamline project development, ensuring efficient and reliable software development workflows.
* Employed **Mercurial** for precise version control, maintaining codebase integrity and facilitating collaborative development practices throughout the SDLC.
* Implemented **Bugzilla** for efficient issue tracking, bug management and workflow supervision, ensuring smooth and organized software development processes.
* Leveraged **Selenium** for comprehensive automated testing, ensuring enhanced software reliability and performance across development stages.
* Utilized **SLF4J** for meticulous logging of essential information, errors and diagnostics, aiding in effective debugging and issue resolution, while ensuring compliance with logging standards and regulations.

**Technical Landscape:** Java 8, Agile-Scrum, Eclipse IDE, HTML5, CSS4, Bootstrap, JavaScript, Angular, Node.js, Spring Boot, REST, Azure DevOps, Kubernetes Service, Jenkins, Docker, Terraform, DynamoDB, Hibernate ORM, JBoss application server, Java Message Service (JMS), Mercurial, Bugzilla, Selenium, SLF4J.

**Client: First Republic ,San Francisco CA Duration: Jan 2016 to Mar 2018**

**Role: Senior Java Full Stack Developer**

**Project Role & Contributions:**

* Orchestrated every facet of the Software Development Life Cycle, harmonizing processes from requirements collection through to deployment and monitoring, seamlessly reflecting stakeholder aspirations and upholding industry standards.
* Employed intricate **Java** nuances, especially in Collections, **Multithreading** and **Exception Handling**, constructing robust data architectures and ensuring unparalleled performance.
* Championed the evolution of frontend design using **Angular**, leveraging cutting-edge tools to forge dynamic and captivating user interfaces.
* Expertly utilized a spectrum of **Spring** tools and modules, such as **Spring Boot**, **Spring MVC** and **Spring Data** to reinforce backend architectures, elevating both code elegance and modularity for sustainable maintainability.
* Seamlessly integrated expansive environments with **Microservices** using **Spring Boot** and **Spring Cloud**, placing a strong emphasis on scalability and resilience.
* Supervised and managed container-based applications using **Kubernetes**, ensuring streamlined cluster configurations, adept deployment strategies and meticulous pod management.
* Sculpted and nurtured innovative **RESTful APIs** leveraging Java and Spring Boot, forging fluid and consistent data interactions across systems.
* Expertly crafted applications tailored for the **Amazon Web Services** (AWS) ecosystem, using tools such as **EC2** and **Lambda**, always adhering to cloud best-practice benchmarks.
* Fostered and maintained dynamic CI/CD pipelines using Jenkins and **GitLab CI**, refining the automation and delivery of software projects.
* Devised intricate entity architectures and interconnected them using **Hibernate**, ensuring optimal object-relational harmony.
* Championed multi-project orchestrations using **Gradle**, emphasizing modular collaboration and efficient management of expansive applications.
* Adopted **NetBeans** as the cornerstone for holistic Java-centric full-stack development projects, optimizing workflow efficiencies.
* Refined and crafted precision data blueprints within Cassandra, establishing efficient keys and tables to streamline data operations.
* Optimized and fine-tuned **WebSphere** server settings, achieving robust and peak application performance metrics.
* Tailored **RabbitMQ** message broker configurations to perfection, meticulously aligning with application requirements for fluid data transmissions.
* Pivoted around **Redmine** for holistic software issue tracking and resolution, ensuring every software challenge, from minor bugs to expansive user stories, was addressed.
* Deployed Cucumber in diversified testing scenarios, leveraging its capabilities to enhance application validation and coverage parameters.
* Integrated **Logback** loggers across diverse application facets, ensuring a high degree of transparency, operational clarity and swift diagnostic capabilities.

**Technical Landscape:** Java, Angular, spring (Spring Boot, Spring MVC, Spring Data), Kubernetes, RESTful APIs, Amazon Web Services (AWS, EC2, Lambda), Jenkins, GitLab CI, Hibernate, Gradle, NetBeans, Cassandra, WebSphere, RabbitMQ, Redmine, Cucumber, Logback.

**Client: Express Scripts Inc ,St Louis MO Duration: Oct 2013 to Dec 2015**

**Role: Java Developer**

**Project Role & Contributions:**

* Directed the full cycle of software development, moving seamlessly from ideation to live deployment while upholding an unwavering commitment to quality and punctuality.
* Pioneered Agile practices, championing iterative design, fostering team synergy and ensuring timely delivery of top-tier software products.
* Orchestrated sophisticated Java application development, focusing on scalable architectures, advanced design patterns and leveraging the latest Java innovations.
* Crafted an intuitive presentation layer by integrating dynamic UI components, leveraging advanced **HTML5** validations, enhancing with CSS aesthetics and integrating efficient **jQuery**, **Ajax** functionalities.
* Capitalized on the broad capabilities of the **Spring** ecosystem, employing key components like Spring Boot, MVC, Data and Security to build scalable, maintainable and high-performing applications.
* Utilized **Hibernate's** powerful **ORM** capabilities for seamless data retrieval from SQL Server, aligning perfectly with POJO designs.
* Integrated and managed cloud resources on **AWS**, tapping into services like **EC2**, **S3** and **Lambda** to address deployment, storage and computing needs, all while focusing on cost-efficiency and scalability.
* Advocated and implemented **Microservices** principles, leading the development of autonomously deployable services to boost system resilience and scalability.
* Designed state-of-the-art **RESTful APIs**, adhering strictly to industry standards and using tools like OpenAPI to ensure smooth application interactions.
* Delved deep into **MySQL** functionalities, introducing replication and clustering techniques to strengthen database reliability and fault tolerance.
* Constructed and oversaw CI/CD pipelines, harnessing **Docker's** capabilities to fully automate the software delivery process.
* Worked proficiently with leading IDEs, especially **PyCharm**, to enhance coding efficiency and improve development outcomes.
* Utilized **Bitbucket's** version control features, ensuring synchronized code tracking and facilitating effective team collaboration.
* Established rigorous testing protocols with **JUnit** to ensure error-free functionality and integrated **Log4J** for enhanced system insights, promoting faster issue detection and resolution.

**Technical Landscape:** Java, HTML5, CSS, jQuery Ajax, Spring (Spring Boot, MVC, Data, Security), Hibernate, AWS (EC2, S3, Lambda), OpenAPI, MySQL, Docker, PyCharm, Bitbucket, JUnit and Log4J.

**Client: Humana ,Louisville KY Duration: Nov 2012 to Sep 2013**

**Role: Java Developer**

**Project Role & Contributions:**

* Steered the entire software development lifecycle (SDLC) from inception through deployment, focusing on aligning projects with business needs and laying a robust foundation for scalable application development.
* Championed **Agile** methodologies, orchestrating iterative development cycles, facilitating daily stand-ups, sprint planning and retrospectives to ensure on-time delivery.
* Developed robust applications using **Core Java**, emphasizing optimized algorithms, multi-threading and memory management techniques for maximum efficiency.
* Engineered dynamic front-end interfaces using tools such as **HTML**, **CSS**, **JavaScript** and **AJAX**, leveraging popular frameworks to ensure responsive, intuitive and user-friendly experiences.
* Integrated the Spring framework for backend development, utilizing its **inversion of control** (IoC) and **aspect-oriented** **programming** (AOP) features to streamline application processes.
* Orchestrated the design and deployment of Java-based microservices, enhancing system modularity, scalability and resilience.
* Developed and maintained **RESTful APIs**, ensuring seamless data interchange, adherence to industry standards and backward compatibility.
* Leveraged **Hibernate** for object-relational mapping, simplifying database interactions and ensuring efficient data persistence.
* Utilized Apache Build Manager for automating the build lifecycle, streamlining the compilation, testing and deployment processes.
* Adopted **PyCharm** as the primary development environment, enhancing code quality, debugging capabilities and overall development efficiency.
* Deployed applications on the **GlassFish** server, ensuring high availability, fault tolerance and optimized load balancing.
* Crafted and optimized SQL queries for data retrieval, insertion and manipulation, ensuring data integrity and security.
* Managed project tasks and team collaboration using **Trello** boards, ensuring clear communication, task tracking and timely project progression.
* Conducted unit and integration tests using the **Mocha** testing framework, ensuring application reliability and functionality.
* Integrated **Fluentd** for real-time logging, ensuring efficient log aggregation and simplifying troubleshooting and system monitoring.

**Technical Landscape:** Core Java, HTML, CSS, JavaScript, AJAX, Spring framework, Hibernate, Apache Build Manager, PyCharm, GlassFish, SQL, Trello, Mocha and Fluentd.