

# JASWANTH VISHNUMOLAKALA

## JAVA FULL STACK DEVELOPER

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### SUMMARY

- Accomplished Java Full Stack Developer with over 3+ years of experience and a proven track record in designing and implementing robust, scalable applications across diverse industries.
- Offers a comprehensive skill set spanning both front-end and back-end technologies, with deep expertise in Java, Spring Boot, RESTful APIs, and cloud services.
- Demonstrates advanced proficiency in developing responsive user interfaces using modern frameworks like React JS, while also excelling in backend development, database management, and complex API integration.
- Adept at leveraging AWS cloud services for efficient application deployment, management, and data processing, successfully handling up to 1 TB of data daily.
- Skilled in implementing secure authentication systems, optimizing database performance, and ensuring high availability of mission-critical applications.
- Combines technical acumen with a strong foundation in computer science, evidenced by a Master's degree from Texas Tech University.
- Thrives in Agile environments, demonstrating exceptional ability to adapt to evolving project requirements and deliver results across the entire software development lifecycle.

### TECHNICAL SKILLS

<b>Programming Languages:</b>	Java, Python, SQL.
<b>Databases:</b>	MYSQL, SQL Server, PostgreSQL, Oracle.
<b>Web Technologies:</b>	HTML, CSS, JavaScript, Bootstrap, jQuery, Ajax, JSON, XML.
<b>Frameworks:</b>	Spring, Spring Boot, Hibernate, Spring Security, Spring MVC, React JS, Angular JS, Node JS
<b>J2EE Technologies:</b>	JSP, JDBC, Servlets, JavaBeans Restful/API.
<b>Cloud Technologies:</b>	AWS (EC2, S3, IAM, Lambda, RDS, RedShift, Glue).
<b>Methodology:</b>	SDLC, Waterfall, Agile.
<b>Version Control:</b>	Git, GitHub, Junit, Maven.
<b>IDE'S:</b>	Eclipse, VS Code, IntelliJ.

### EDUCATION

<b>Texas Tech University</b>	<b>Lubbock, TX</b>
<b>Masters in Computer and Information Science</b>	<b>Jan 2022 – Dec 2023</b>
<b>Vignan Deemed to be University</b>	<b>Guntur, India</b>
<b>Bachelors in Computer Science and Engineering</b>	<b>July 2016 – May 2020</b>

### PROFESSIONAL EXPERIENCE

<b>JP Morgan Chase &amp; Co, TX</b>	
<b>Software Engineer</b>	<b>Apr 2024 - Current</b>
<ul style="list-style-type: none"><li>Developed and maintained robust Java applications using the Hibernate framework, implementing RESTful APIs, dependency injection, and aspect-oriented programming.</li><li>Designed and implemented complex SQL queries and stored procedures for Oracle databases, optimizing data retrieval and manipulation processes to enhance overall system efficiency.</li><li>Leveraged AWS cloud services, including EC2 for scalable compute capacity and S3 for secure object storage, to deploy and manage applications in a cloud-native environment.</li><li>Utilized AWS Glue for ETL (Extract, Transform, Load) operations, facilitating seamless data integration and preparation for analytics and reporting purposes, processing 1 TB of data daily.</li><li>Implemented comprehensive unit testing strategies using JUnit, ensuring code quality, reliability, and maintainability throughout the software development lifecycle (SDLC).</li><li>Collaborated with cross-functional teams using GitHub for version control, managing code repositories, conducting code reviews, and facilitating smooth integration of features and bug fixes.</li><li>Employed Visual Studio Code as the primary integrated development environment (IDE) to write, debug, and refactor code efficiently, leveraging its extensive plugin ecosystem to enhance productivity.</li></ul>	
<b>Dell Technologies, India</b>	
<b>Java Full Stack Developer</b>	<b>Dec 2019 – Nov 2021</b>
<ul style="list-style-type: none"><li>Designed and developed robust RESTful APIs using Spring Boot to manage core <b>ERP functionalities such as inventory management</b>, order processing, and financial accounting.</li><li>Utilized Spring MVC framework for efficient handling of HTTP requests and responses, ensuring a well-structured backend architecture.</li><li>Implemented Spring Security for secure user authentication and role-based authorization, resulting in a reduction of 30 unauthorized access incidents per month.</li></ul>	

- Created dynamic and responsive user interfaces using HTML, CSS, JavaScript, and Bootstrap, ensuring a seamless user experience across various devices, which increased user satisfaction scores by 1.5 points.
- Integrated frontend components with backend services using AJAX for real-time data updates and improved user interaction.
- Designed and managed MySQL and NoSQL databases, formulated complex SQL queries for reporting and analysis, ensuring efficient data storage, retrieval, and management for the ERP system.
- Leveraged AWS services like Lambda for serverless functions, RDS for scalable databases, and CloudWatch for monitoring and performance management of the application, achieving an uptime of 50 hours out of every 100 hours of operation.
- Developed servlets and JavaBeans to encapsulate business logic and data manipulation tasks, promoting code reusability and maintainability.
- Configured and deployed the application on Tomcat servers using Eclipse IDE, ensuring seamless integration and deployment processes.
- Practiced version control with GitHub, implemented unit and integration testing using JUnit, and utilized Splunk for centralized logging to ensure code quality, reliability, and efficient issue resolution.

## **Beyond Key Solutions, India**

### **Java Developer**

**Feb 2019 – Nov 2019**

- Engineered and maintained robust backend services using Java with the Spring Boot framework, focusing on creating scalable and efficient server-side applications.
- Constructed RESTful APIs to facilitate seamless communication between the frontend interfaces and backend databases, ensuring data consistency and integrity across the platform.
- Formulated complex SQL queries to handle data manipulation and retrieval tasks, optimized these queries for performance, and ensured they met business requirements.
- Implemented JDBC connection pooling, resulting in a 10 milliseconds improvement in database connection times and enabling support for 500 transactions per second during peak e-commerce traffic periods.
- Contributed to developing interactive and responsive web interfaces using React JS, focusing on improving the overall user experience by implementing dynamic content updates and state management techniques.
- Deployed and managed the e-commerce platform on AWS, utilizing EC2 instances for flexible and scalable computing power, and S3 for robust data storage solutions.
- Utilized Git for source code management, ensuring all code changes were tracked, merged, and maintained without conflicts.
- Applied Agile SDLC methodologies, participating in all phases of the project lifecycle from requirement analysis to deployment, ensuring that each phase was documented and followed best practices.

## **PROJECTS**

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### **Online Banking System**

- Developed a web-based Online Banking System which integrates CRUD (Create, Read, Update, Delete) operations to provide users with a comprehensive and dynamic banking experience. This platform, built on a robust technological foundation, empowers users with the ability to manage their accounts, execute transactions, and engage in various banking activities with utmost ease and efficiency

### **Image Processing System**

- Developed advanced image processing web application. Proficiently crafted responsive frontends using HTML, JS, jQuery, and CSS, paired with a robust backend architecture built on Java Spring Boot. Implemented seamless communication between the frontend and backend through REST API. My expertise extended to the intricate handling of 3D matrices representing pixel values for the Red, Green, and Blue channels, serving as the foundational structure for advanced image processing operation