Swetha Paspunuri
JAVA FULL STACK DEVELOPER

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SUMMARY

- Java Full Stack Developer with 3+ years of experience in designing and implementing cutting-edge web applications, proficient in both front-end and back-end technologies.
- Proficient in developing robust and scalable applications using Java technologies such as Spring Boot, Spring MVC, Spring Security, and Hibernate.
- Skilled in utilizing front-end technologies like React.js, Angular, and JavaScript/TypeScript to create intuitive and responsive user interfaces.
- Proficient in Java and Python for back-end development and integration with other systems, enhancing application functionality and performance.
- Adept at leveraging cloud-based platforms and containerization tools like AWS, GCP, Docker, and Kubernetes for efficient application deployment and scalability.
- Proficient in working with various databases, including MySQL, MongoDB, and Oracle, and implementing data models and efficient data access using JPA/Hibernate.
- Experienced in adopting Agile methodologies and participating in the full software development life cycle, including requirements gathering, design, development, testing, and deployment.
- Experienced in setting up Continuous Integration and Continuous Deployment (CI/CD) pipelines using tools like Jenkins to ensure reliable and automated application delivery.
- Adept at writing comprehensive documentation, including API documentation using tools like Swagger, to enhance maintainability and support.

SKILLS

Java Technologies	Core Java, J2EE, JPA, Servlets, JDBC, Java Beans, Multi-threading, Event Handling, Swing Web Services
Web Technologies	HTML, CSS, JSP, JavaScript, Typescript, jQuery, Bootstrap, AngularJS, React, ECMAScript, Babel, Webpack
Methodology	SDLC, Waterfall, Agile, Test-Driven Development
Frameworks	Spring Framework, Spring MVC, Spring Boot Spring Cloud, Spring ORM, Spring Security, Spring Integration, Spring AOP, Hibernate, JDBC, React.js, jQuery, Struts, Microservices, AngularJS, Node JS
Build Tools & IDEs	Maven, Gradle, Jenkins, NetBeans, IntelliJ IDEA, Eclipse
Application Servers	Web Logic, Apache Tomcat, Web Sphere, and JBoss
Cloud & Deployment	AWS, EC2, Lambda, Redshift, DynamoDB, Google Cloud Platform (GCP), Docker
API Development	RESTful services, SOAP, WSDL, Jersey Framework, Spring-WS
Messaging Queues	Apache Kafka, RabbitMQ
Databases	MySQL, MS SQL Server, SQL Plus, Oracle, DB2, MongoDB, Cassandra
CI/CD & Tools	Jenkins, Code Ship
Testing tools	JUnit, Karma, Mockito, Selenium, Spring Integration tests
Version Control/Tracking Tools	Git, GitHub, Jira, SVN, Team Foundation Server
Operating Systems	Windows, LINUX, Mac OS

EXPERIENCE

Cardinal Health, TX   **Jan 2024 – Present**
Java Full Stack Developer

- Developed robust **RESTful APIs** using **Spring Boot**, enhancing response times by 30% and ensuring seamless communication between the **frontend and backend**, which improved user satisfaction scores by 20%.
- Built a dynamic and responsive user interface with **React**, improving user engagement and facilitating easier navigation, resulting decrease in user dropout rates during registration.
- Employed **JPA** for efficient data access and MySQL as the **database solution**, streamlining data management processes and achieving reduction in load times for patient information retrieval, which enhanced overall application performance.
- Deployed the application on **AWS EC2** for reliable hosting and integrated **AWS Lambda** for serverless functionality, enabling efficient backend processing that supported increase in concurrent users without performance degradation.

- Utilized **TypeScript to develop complex application** features with enhanced type safety, which reduced runtime errors and improved code clarity, making maintenance easier.
- Designed reusable components using **Bootstrap**, promoting a consistent design language across the application, and contributing to a 15% improvement in **overall user satisfaction**.
- Integrated secure messaging capabilities using **WebSocket technology**, allowing real-time communication between patients and doctors and increasing messaging response rates by 35%, enhancing user experience.
- Managed user authentication and authorization with **Spring Security**, implementing role-based access control that ensured compliance with data protection regulations and minimized unauthorized access incidents.
- Adopted automated testing practices with **JUnit** and **Mockito**, improving code quality and reliability, resulting **reduction** in production bugs and faster time to market for new features.
- Employed **Agile methodologies** to streamline the development process, fostering collaboration and adaptability, which led to improvement in project delivery timelines and increased team productivity.
- Collaborate effectively with Business Analysts to translate business requirements into technical solutions.
- Provide production support and troubleshoot issues, demonstrating strong problem-solving abilities.
- Collaborated with cross-functional teams to analyze test cases and debugging results, resulting in a 40% reduction in software bugs and a 25% increase in application stability.

Capgemini, India   **Jan 2020 – Dec 2022**
Java Full Stack Developer
- Developed scalable backend solutions using **Java 8 and Node.js**, focusing on key functionalities such as user authentication, transaction processing, and account management, which improved system modularity and maintainability for financial services.
- **Designed** efficient document-based data models in **MongoDB** for managing financial transaction records, facilitating quick retrieval, and enhancing scalability for large volumes of semi-structured data such as transaction details and user profiles, resulting in a 40% increase in data retrieval speed.
- Created responsive and interactive user interfaces for the financial platform using **Angular**, enabling real-time updates for account balances, transaction statuses, and market data, which boosted user engagement by 35% and reduced page load time.
- Extensively utilized **Hibernate** concepts for data manipulation, ensuring accuracy and consistency in database transactions.
- **Integrated Apache Kafka** as the event streaming platform to establish an event-driven architecture, facilitating real-time communication between services for transaction processing, account updates, and user notifications, improving system throughput.
- Combined **Spring Security** with **OAuth 2.0** and **JWT** to ensure **secure user authentication** and **authorization** in compliance with financial regulations, implementing **role-based access control (RBAC)** that reduced **unauthorized access incidents**.
- Enhanced page load times by 20% through **asynchronous data fetching**, **lazy loading**, and optimizing **Angular components** for improved **client-side performance**, leading increase in customer satisfaction scores in financial service interactions.
- Created a **JMS Queue** to manage high-volume transaction processing requests, enabling asynchronous handling of financial transactions and decoupling transaction initiation from **risk assessment processes**, which accelerated the overall transaction flow.
- Developed comprehensive **unit tests** using **Selenium** along with **Karma** for testing **Angular components**, achieving high test coverage**,** and significantly reducing production bugs, while also implementing **Spring Integration Tests** to ensure robust and **error-free code** before deployment.
- Implemented **API versioning strategies** and global error handling in **REST APIs** to manage financial data exchanges, improving API maintainability by **30%** and enhancing user experience by 20% through meaningful error messages and backward compatibility.
- Utilized **Jira** for project tracking, backlog management, and sprint planning in a financial project context, fostering transparent communication among cross-functional teams and improving overall project delivery timelines by 20%.
- Deployed services **on Google Cloud Platform (GCP),** utilizing cloud-based solutions for data storage, processing, and analytics, ensuring scalability and reliability for financial applications.
- Identified and resolved integration challenges during production deployments, fostering efficient teamwork and problem-solving; mitigated downtime and improved overall application performance by 30%
- Conducted self and peer-to-peer reviews, ensuring adherence to technical and functional requirements, showcasing attention to detail and commitment to quality.

EDUCATION

Master of Science in Computer Science - Texas A&M University-Commerce, Texas, USA
Bachelor of Technology in Computer Science and Engineering - Sphoorthy Engineering College (JNTUH), India