Sai Pavan Nagendla
Java Full Stack Developer | Charlotte, NC
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Professional Summary:

Results-driven Software Engineer with 3+ years of experience specializing in Java, Spring Boot, AWS, and Microservices Architecture. Skilled in developing high-performance, scalable applications, optimizing RESTful APIs, and implementing CI/CD pipelines for seamless deployments. Experienced in AWS cloud solutions, including EC2, S3, Lambda, RDS, and API Gateway, enhancing system efficiency and security. Adept at database management (MySQL, PostgreSQL, MongoDB) and frontend technologies (ReactJS, Angular). Passionate about building innovative solutions and driving technology-driven success in Agile environments.

Professional Experience:

Client: MUFG – New Jersey   January 2023 - Present
Role: Full Stack Developer
Responsibilities:

- Designed and optimized RESTful APIs, reducing API response times by 40% through efficient query execution and caching strategies.
- Developed AWS-based cloud solutions using Spring Boot to deploy and manage microservices on AWS EC2, S3, and Lambda, optimizing cloud resource utilization and performance.
- Implemented AWS API Gateway to manage and secure RESTful APIs, improving API response efficiency.
- Integrated AWS RDS (PostgreSQL) with Java Spring Boot applications, ensuring high availability and automated backups.
- Engineered ReactJS-based interactive UIs, enhancing user experience and increasing engagement by 20%.
- Engineered automated testing frameworks within Jenkins, decreasing bug resolution time by 30%, which enhanced overall code quality and ensured that deployments were error-free and met company standards.
- Implemented CI/CD pipelines using Jenkins & Git, reducing deployment errors by 50% and streamlining release processes.
- Led containerization and orchestration efforts using Docker and Kubernetes, improving deployment scalability and reducing infrastructure costs by 15%.
- Integrated third-party APIs such as T24 payment gateway, enhancing banking application functionality and security.

Client: TCS - India   January 2021 – December 2021
Role: Software Developer
Responsibilities:

- Utilized Core Java concepts such as OOP Concepts, Collections Framework, and Exception Handling, I/O System, Multi-Threading, JDBC, Generics.
- Analysed and debugged FinTech codebases, increasing system reliability by 30% and reducing critical bugs by 40%, while also conducting log analysis for root cause identification.
- Elevated website performance by 20% and increased user engagement by designing interactive user screens with HTML, CSS3, Bootstrap, TypeScript, and Angular.
- Managed CI/CD pipelines with Jenkins, ensuring flawless operations and timely bug resolution.
- Led Agile Scrum for a cross-functional team, managing sprint planning, daily stand-ups, and remote support, resulting in a 20% productivity boost and 25% improved adherence to timelines.

- Designed and implemented REST API services using Spring Boot, Maven, and MySQL, while developing software with Core Java, C++, Multithreading, Spring, and Hibernate to enhance SQL procedures and triggers for robust functionality.
- Implemented GitHub best practices, refined Jira management, conducted code reviews, and established Confluence pages for documentation, achieving a 30% increase in team productivity and a 20% improvement in project efficiency.

Client: IIIT University Hyderabad - India   July   2019   - October 2019
Role: Intern Software Developer
Responsibilities:
- Successfully completed a six-month program organized by the Software Engineering Research Center (SERC), IIIT Hyderabad, focused on front-end web development.
- Gained hands-on experience in HTML, CSS, and JavaScript, developing a strong foundation in building interactive and responsive user interfaces.
- Designed and implemented a project titled "Forming Sentences," demonstrating the practical application of front-end development skills in a real-world scenario.
- Leveraged Git, a distributed version control system, for efficient code management, collaboration, and version tracking throughout the project

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Technical Skills:

Programming Languages:	Java, Python, C, SQL
Web Technologies:	HTML, CSS, JavaScript, JSF, XML, JSON, Bootstrap, Angular
Databases:	MySQL, Oracle, NoSQL (MongoDB), PostgreSQL
Frameworks:	Spring MVC, Spring Boot, Microservices, JPA, Hibernate
Cloud Management & Containerization:	AWS, Docker
Methodologies:	Agile/Scrum Development, SDLC, Waterfall
Testing & Build Tools:	Selenium, JUnit, Maven, Gradle, Jenkins, Mockito
Version Control & Collaboration:	GIT, Bitbucket, Confluence
IDE:	IntelliJ, Visual Studio, Eclipse, NetBeans
Operating System:	Unix/Linux, Mac, Windows
Soft Skills:	Problem Solving, Communication, Adaptability, Teamwork

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Education:

Vignan Foundation for Science and Research University   NC, USA
Master's degree in information technology

Vignan Foundation for Science and Research University   Guntur, India
Bachelor's degree in computer science

Certifications:
- AWS Certified Solutions Architect.

- AWS Academy Graduate (Data Analytics)