SAI PAVAN NAGENDLA

Software Engineer

Charlotte, NC

(704)761-3706 |pavannagendla30@gmail.com | https://www.linkedin.com/in/pavannagendla12/

SUMMARY

- Experienced Software Engineer with over **3+ years** of industrial experience.
- Proficient in **Java, Python, C, SQL, HTML, CSS, JavaScript, Spring MVC, and Angular.**
- Skilled in **AWS, Docker, Agile/Scrum methodologies, Selenium, JUnit,** and version control tools like **Git and Bitbucket**. Versatile across **IDEs** and operating systems.
- Proven ability to develop **web applications** using the **Model-View-Controller (MVC)** architecture, using **Spring Boot** framework including extensive experience in setting up **RESTful APIs** for scalable and efficient solutions.
- Proficient in **J2EE** technologies, including **JDBC, JSP, Servlets, EJB, Spring Boot, and Hibernate**, consistently delivering high- quality solutions with deep knowledge of various **Spring modules** such as **Spring MVC** and **Spring Core**.
- Strong experience in Object-Oriented Programming (**OOP**), with a focus on **Multi-Threading**, **Exception Handling**, and Collections for **robust solution design**.
- Extensive hands-on experience with **Oracle, MySQL, and PostgreSQL** databases, utilizing tools like **SQL Developer** for effective relational database management.

PROFESSIONAL EXPERIENCE

SUNTEK(MUFG)   **NJ, US**
Software Engineer   **Jan 2023 – Present**

- Executed software solutions by designing and developing backends with Java 17 and integrating frontend interactions using ReactJS to align with secure and high-quality production standard
- Actively involved in Java 17 development, applying advanced features like **lambda expressions, streams, and functional interfaces** to build scalable and efficient applications.
- Proficient in the Spring Framework, specializing in **Spring Boot, Spring MVC, and Spring Security**, contributing to the creation of robust backend systems.
- Leveraging **ReactJS** to create dynamic, responsive, and interactive user interfaces, my focus is on delivering engaging experiences.
- Proficient in crafting single-page applications (SPAs) that offer seamless interactions for end-users. Main technologies include **ReactJS, JSX, HTML5, CSS3, JavaScript, Node.js, and Express.js,**
- Integrated essential third-party APIs and services, such as the **T24 payment gateway**, enhancing the banking application's functionality.
- Designed and managed databases using **MySQL** and **POSTGRES** and Elastic search, prioritizing data integrity, and optimizing performance.
- I am skilled in containerization using **Docker,** orchestration with **Kubernetes**, and implementing **CI/CD** pipelines through Jenkins and Git for streamlined releases.

TCS   **Bangalore, India**
Software Engineer   **Jan 2021 - Dec 2021**

- Experienced in Core Java concepts such as **OOP Concepts**, Collections Framework, and Exception Handling, I/O System, Multi-Threading, JDBC, Generics.
- Analyzed and **debugged** FinTech codebases, increasing system reliability by 30% and reducing critical bugs by 40%, while also conducting log analysis for **root cause** identification.
- Produced architecture and **design artifacts for complex fintech applications**, utilizing Core Java and Spring Boot to meet design constraints and improve **performance by 20%.**
- 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.**

IIIT University Hyderabad
Intern Software Engineer

- 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.

TECHNICAL SKILLS

Programming Languages:	Java, Python, C, SQL, Kotlin
Web Technologies:	HTML, CSS, JavaScript, JSF, XML, JSON, Bootstrap, Angular
Enterprise Technologies:	J2EE, Kafka
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

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 (B.Tech) in Computer Science

PROJECTS

Resilient E-Commerce Platform using AWS Services | REST API, EC2, S3, AMI, GIT

- Developed a robust E-Commerce web application using NodeJS, orchestrating the implementation of 10 REST API endpoints for elevated functionality.
- Implemented a streamlined deployment strategy utilizing GitHub actions on EC2 instances, yielding a notable 50% reduction in deployment time. This initiative not only enhanced operational efficiency but also fostered a more streamlined and effective development pipeline.

Campus Navigation App Development | Java Spring Boot, JPA, MySQL, HTML, CSS, JavaScript, JSP

- Developed a scalable app architecture capable of handling varying user loads, particularly during peak times, showcasing proficiency in system scalability.
- Designed an intuitive and user-friendly interface, enhancing overall user experience and facilitating smooth navigation within the app.

Niner Auxiliary Web Application | Java Spring Boot, JPA, MySQL, HTML, CSS, JavaScript, JSP, MVC

- Niner Auxillary, a dynamic web platform for UNC Charlotte students to seamlessly trade vehicles, employing HTML, CSS, JavaScript, NodeJS, and MongoDB.
- Implemented the Model-View-Controller (MVC) design pattern, ensuring a structured and scalable codebase, while utilizing agile methodologies for efficient project management.

CERTIFICATIONS

AWS Certified Solutions Architect.