

PAGADALA SREENIVAS

+1 (812)837-7720 | spagadal@iu.edu | [linkedin.com/in/sreenivaspagadala/](https://www.linkedin.com/in/sreenivaspagadala/)

EXPERIENCE

SNS Technologies LLC

05/2024 - 12/2024

Software Engineer Intern

Remote, US

- Designed and implemented an XML report generation system with **Spring MVC & Spring Data JPA**, processing **100,000+ records** daily.
- Optimized complex queries using **DTO projections, pagination, and indexing**, ensuring efficient data retrieval.
- Implemented batch processing with **Spring Batch & multi-threading**, reducing execution time for large datasets.
- Developed **RESTful APIs** for **dynamic report generation**, with **automated scheduling** using `@Scheduled`.
- Developed an **interactive React-based frontend dashboard** for visualizing report summaries, allowing users to filter, download, and schedule reports dynamically.
- Built **reusable React components** with **TypeScript** and **React-Bootstrap**, ensuring a modular and scalable UI.
- Integrated **API consumption in React**, displaying real-time report generation statuses and allowing users to trigger manual runs.
- Integrated **Log4j** for structured logging, enhancing debugging and real-time monitoring of report generation processes.
- Stored reports in **AWS S3**, improving **scalability** and **accessibility**.
- Enhanced system performance by caching data with **Redis/EhCache**, reducing redundant database queries.
- Built **CI/CD pipelines** using **Azure DevOps**, streamlining deployment and automation.
- Delivered XML report files via **SFTP**, ensuring secure file transfers to remote servers.
- Used **IBM MQ queues** to consume modified XML files, integrating the updates back into the **database**, and maintaining data consistency across day-to-day files.
- Managed tasks and tracked project progress using **Azure DevOps**, ensuring effective collaboration and timely delivery.

Optum Global Solutions (UHC)

12/2021 - 05/2023

Software Engineer

Hyderabad, India

- Designed and developed scalable **Java Spring Boot** and **Groovy** microservices, ensuring **99% uptime** while handling **1M+ daily transactions** for a **Medical Benefit Management Platform**.
- Engineered high-performance **REST APIs** and backend workflows to efficiently process **500K+ monthly prior authorization requests**.
- Developed **dynamic and responsive frontend components** using **AngularJS** and **Angular**, collaborating closely with the **UI/UX team** to translate **Figma designs** into production-ready interfaces.
- Implemented **Test-Driven Development (TDD)** practices, writing robust unit tests using **Spock, Jasmine, and Karma frameworks** to enhance code quality and reliability.
- Created and executed **80+ Flyway migration scripts** to enable seamless updates, schema changes, and performance optimizations in **MySQL databases**.
- Diagnosed and resolved **10+ critical production issues**, leveraging **Splunk and Dynatrace** for real-time debugging and performance monitoring.
- Conducted thorough **code reviews**, ensuring adherence to best coding practices, improving maintainability, and enhancing overall code quality.
- Leveraged **Docker** for containerization, enabling consistent deployments across environments.
- Managed tasks and tracked project progress using **Rally**, ensuring effective collaboration and on-time delivery.
- Utilized **GitHub** for version control, managing code changes and collaborating efficiently with the development team.

TECHNICAL SKILLS

Programming/Scripting: Java , Python, SQL, JavaScript, XML, JSON, HTML5, CSS3, Shell Scripting.

Frameworks: Spring , Spring MVC , Spring Boot , Spring Data JPA , Spring Security ,React , Angular 8, Kafka, Bootstrap.

Cloud and API: REST, Azure-Devops, Functions, Triggers, AWS-S3 , EC2 , IBM MQ.

Databases: MYSQL, PostgreSQL, MongoDB , Apache Spark.

Developer Tools: Git, Docker, Jenkins, Postman , VS Code , BitBucket, JIRA, Confluence, Terraform Deployments.

EDUCATION

Indiana University, Bloomington

Bloomington, INDIANA

Masters (MS) in Computer Science;

08/ 2023 - 05/ 2025

Coursework: Applied Algorithms, Programming Languages, Databases, Software Engineering, Computer Networks, Cross-platform Mobile Development.

PERSONAL PROJECTS

Live Sports Info App

React Native, Expo Router, Firebase,

- Developed a mobile app to deliver live sports updates, including scores, match statistics, and team lineups for cricket, football, and basketball.
- Built an interactive timeline feature for match highlights, allowing users to navigate key moments in games.
- Integrated a video upload feature enabling users to share real-time reactions and discussions about ongoing matches.