SAI PRASHANTH REDDY DYAPA

United States | (248) 679-2886 | sdyapa1s@semo.edu | Portfolio

SUMMARY

Full-Stack Developer with 3+ years of experience in Java, Spring Boot, Angular, and RESTful APIs. Proficient in AWS, CI/CD, MySQL, and PostgreSQL. AWS Certified Solutions Architect – Associate. Experienced in Agile teams and additionally, has a growing interest in data analytics using Python.

SKILLS

- **Language & Frameworks :** Java (including Java 8 features: Lambdas, Streams) , Spring Boot, Spring MVC, Hibernate, JDBC, Python, Java Servlet Pages, Apache Kafka.
- **Frontend :** HTML5, CSS3, JavaScript, TypeScript, Angular 12+, Redux, NgRx, Bootstrap, React.
- **Databases:** MySQL, PostgreSQL, MongoDB, Firebase.
- **API Development:** RESTful APIs, JSON, XML, Swagger, Microservices.
- **Authentication:** OAuth2, JWT, Firebase Auth.
- **Tools & DevOps:** Maven, Jenkins, Git, GitHub, GitLab, Postman, VS Code, Docker, SonarQube.
- **Testing:** JUnit, Karma, Jasmine.
- **Cloud :** AWS (EC2, S3, RDS, Lambda, IAM, CloudWatch).
- **Project Management:** Agile, Scrum, Jira.

RELEVANT EXPERIENCE

SOFTWARE ENGINEER   July 2020 – Aug 2023
Renault Nissan Technology & Business Centre India, India.

- Developed and maintained scalable microservices using Spring Boot and REST APIs for enterprise-grade applications serving 5,000+ global users.
- Enhanced front-end performance by 35% using lazy loading and optimized Angular modules. Automated CI/CD workflows via Jenkins and Docker, reducing release failures by 95% and speeding up deployment cycles by 60%.
- Designed and optimized database schemas (MySQL, PostgreSQL) and led data migration initiatives to support application scaling and analytics.

PROJECTS

Project Portfolio Management (PPM) *Tech Stack: Java, Spring Boot, Angular, PostgreSQL, AWS.*

- Developed and maintained key modules for this application used by 5,000+ global users to track 4,000+ projects, providing visibility into Cost, Schedule, QCT metrics, and essential Project details.
- Designed and implemented a cron-scheduled backend utility to fetch files from AWS EC2, perform data processing into PostgreSQL, and store raw files in Amazon S3, enhancing data pipeline automation within the Project Portfolio Management system.

Voice Based Web Navigation *Tech Stack: JavaScript, Web Speech API, Angular*

- Implemented voice-command navigation for a web application using the Web Speech API, enabling hands-free webpage control and enhancing accessibility for users.

Web Scraping and Data Visualization *Tech Stack: Python, Pandas, Matplotlib*

- Developed a web scraping tool using Python to extract and preprocess data from dynamic web pages.
- Utilized Pandas for data cleaning and manipulation and created insightful visualizations using Matplotlib to enable effective trend analysis and data interpretation.

EDUCATION

SOUTHEAST MISSOURI STATE UNIVERSITY, CAPE GIRARDEAU, MISSOURI   May 2025
M.S. in Computer and Information Science | GPA: 3.7.

KAKATIYA UNIVERSITY, INDIA   Apr 2020
Bachelor's in Electronics and Communication Engineering | GPA: 7.8

CERTIFICATIONS

- **AWS Certified Solutions Architect – Associate** *Issued by Amazon Web Services* *April 2025* validates expertise in designing secure, scalable, and cost-effective cloud solutions on AWS.