SAI PRASHANTH REDDY DYAPA

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SUMMARY

Full-Stack Web Application Developer with hands-on experience building scalable enterprise applications using Spring Boot, Angular. Proficient in backend and frontend development, microservices architecture, and integrating relational databases (PostgreSQL, MySQL). AWS Certified Solutions Architect with exposure to cloud services and CI/CD automation. Experienced in Agile environments with strong problem-solving and collaboration skills. Academic exposure to data analytics using Python, Pandas, and Matplotlib.

EDUCATION

SOUTHEAST MISSOURI STATE UNIVERSITY, CAPE GIRARDEAU, MISSOURI   May 2025
M.S. in Computer and Information Science - GPA: 3.75.

KAKATIYA UNIVERSITY, INDIA   Apr 2020

Bachelors in Electronics and Communication Engineering- GPA: 7.8**.**

SKILLS

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

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER   **Jan 2022 – Aug 2023**
Renault Nissan Technology & Business Centre India, Chennai.

- Developed and maintained responsive and reusable User Interfaces using Angular and scalable microservices using Spring Boot and REST APIs for enterprise applications used by 5,000+ global users.
- Maintained code quality using tools like ESLint(frontend), and SonarQube (backend).
- Wrote and maintained tests using JUnit, Mockito (backend), and Jasmine, Karma (frontend).
- Improved the User Interface performance by 35% using lazy loading and optimized Angular modules.
- Automated CI/CD pipelines using Jenkins, for deploying the dockerized application from Bitbucket to ECS.
- Designed and optimized database schemas (MySQL, PostgreSQL). Designed and implemented stored procedures in PostgreSQL to automate the data processing tasks.
- Mentored junior developers on best practices in Spring Boot architecture and Angular modular design.

GRADUATE ENGINEER TRAINEE   **Jan 2021 – Jan 2022**
Renault Nissan Technology & Business Centre India, Chennai.

- Trained in full-stack development with a focus on Java (Spring Boot) for backend and Angular for frontend.
- Built RESTful APIs and documented using Swagger(OpenAPI).
- Implemented API security features including authentication and role-based authorization using Spring Security.
- Gained knowledge and exposure to AWS cloud services for deploying and managing scalable applications.
- Moved to project work post-training, contributing to the design and development of key application modules within a collaborative Agile team.

PROJECTS

Professional Project - 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 coming under Renault-Nissan alliance, 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 stored raw files in Amazon S3, which reduced the human intervention and automated the task of data processing.

Graduate Project - 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.

Graduate project - 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.

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.