ARASANAPALAI SRIKANTH NAVYA SRI

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Education

BITS Pilani, Hyderabad Campus, B.E (Hons) Electrical and Electronics Engineering and Minor in Data Science - 8.63/10 — August 2018- May 2022

Experience

Associate Consultant, Capgemini Technology Services– Hyderabad — Oct 2022 – Present

- Developed REST APIs using Python for source code, deployed on AWS, and utilized **Terraform** for Infrastructure as Code (IaC). These APIs facilitate the storage of insurance claims for clients. Utilized AWS Serverless Architecture components such as **API Gateway, Lambda, S3, DynamoDB, Step Functions, Route 53, SNS, SQS**, and **CloudWatch** to deploy the applications.
- Upgraded Java applications from version 11 and Spring Boot 2.x to Java 17 and Spring Boot 3.x, including updating gitlab CI/CD pipeline scripts. Enhanced security by transitioning from LDAP basic authentication to **Microsoft Azure Entra authentication**.
- Enabled application monitoring using Dynatrace and Splunk, creating subscription filters to send logs to Splunk in AWS cloud.
- Migrated a web application from Pivotal Cloud Foundry to **AWS ROSA**, involving modifications to OCP files (like Kubernetes files), pipeline scripts, and Docker configurations to ensure seamless deployment and integration.
- Contributed to an ERP rollout project, working with SAP and Oracle IFS. Crafted SQL queries for data extraction and manipulation from Oracle Database and conducted comprehensive data analysis using Excel.

Software Development Intern, Amazon Development Centre – Hyderabad — Jan 2022 – July 2022

- Developed a Testing Framework utilizing JSON files as input for a document generation library, reducing client setup time by approximately one day and deployment time for each change by about one hour.
- Engaged in backend development using Java and Spring Boot, addressing bugs and implementing minor modifications to enhance the service application.

Technologies

Languages: C++, C, Java, Python, SQL, HTML

Technologies: Springboot, Microservices, Git, Docker, Kubernetes, AWS Serverless Architecture, Terraform, Data Structures and Algorithms, Object Oriented Programming, System Design, Computer Networks, Postman, MySQL, PostgreSQL, Dynamodb, Zipkin, Splunk, VS Code, STS

Projects

Job Posting Application – Java Backend — link

- Spearheaded the transformation of a monolithic job posting platform into microservices architecture using Java, Spring Boot, and **Spring JPA**, significantly improving scalability and flexibility.
- Orchestrated the migration of the application's database from an initial Spring JPA setup to PostgreSQL, enhancing data management and reliability, while seamlessly **dockerizing** the entire infrastructure for streamlined deployment and management.
- Implemented essential infrastructure components including a **service registry, config server**, and **API gateway**, alongside integration of advanced monitoring and messaging technologies such as Zipkin for distributed tracing, **RabbitMQ** for message queues, and Kubernetes for container orchestration, optimizing performance and facilitating seamless scalability.

Movie-Review API - Full Stack Application — link

- Developed a Java Spring Boot application to power a movie and review API, leveraging **MongoDB** to efficiently store and manage movie data. Implemented a user-friendly interface using HTML, CSS and React.