ARASANAPALAI SRIKANTH NAVYA SRI

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EXPERIENCE

Capgemini Technology Services, Hyderabad- Associate Consultant (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.
- Enabled application monitoring using Dynatrace and Splunk, creating subscription filters to send logs to Splunk in AWS cloud.
- Upgraded Java applications from version 11 and Spring Boot 2.x to Java 17 and Spring Boot 3.x, including updating pipeline scripts. Enhanced security by transitioning from LDAP basic authentication to **Microsoft Azure Entra** authentication.
- 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.

Amazon Development Centre, Hyderabad- Software Development Intern (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.

EDUCATION
BITS Pilani, Hyderabad Campus (August 2018- May 2022)

B.E (Hons) Electrical and Electronics Engineering and Minor in Data Science - 8.63/10

SKILLS

Languages: C, C++, Java, Python

Databases: MySQL, PostgresSQL, Dynamodb

Technologies/ Frameworks: Springboot, Microservices, Git, Docker, Kubernetes, AWS Serverless Architecture, Zipkin, Postman, Data Structures and Algorithms, Object Oriented Programming, Computer Networks

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 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.