Sanjay RB

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Profile Summary

Experienced DataOps/DevOps Engineer with 4+ years in automating data pipelines, optimizing CI/CD, and managing scalable deployments across Azure, AWS, and GCP. Proficient in Azure DevOps (ADO), Jenkins, Python, Airflow, Snowflake, Hive, and PostgreSQL. Skilled in enhancing code quality with SQLFluff, SonarQube, and Checkmarx, and experienced in secure, efficient data workflows. Passionate about innovation, exploring Generative AI and Flutter, and actively engaged in hackathons and tech communities.

Key Skills

- **DataOps & Automation**: Azure DevOps, Jenkins, Git (GitHub, Bitbucket, ADO Repos)
- **Cloud Platforms**: AWS, GCP, Azure
- **Programming**: Python, Shell, Bash, YML, Groovy
- **Frameworks & Tools**: Flask, Django, Airflow, DBT, AWS CDK, AWS Glue, Snowflake, Hive, PostgreSQL
- **Big Data & ETL**: ETL/ELT Pipelines, Data Transformation, Data Warehousing
- **Generative AI**: LangChain, RAG, Amazon Bedrock, SageMaker AI
- **Mobile Development**: Flutter (Hybrid Apps)
- **Orchestration**: Tivoli Workload Scheduler, Airflow
- **Others**: JIRA API, SonarQube, Checkmarx, SQLFluff, Lambda, Terraform
- **Soft Skills**: Problem Solver, Leadership, Optimistic, Active Learner, Quick Adaptor, Time Management, Strong Communication

Professional Experience

System Engineer at Tata Consultancy Services

Oct 2020 - Present

- **DataOps & CI/CD Leadership**: Led a team to build scalable DataOps pipelines using Azure DevOps, reducing ETL/ELT deployment delays by 60% and automating early build issue detection by 75% with tools like SQLFluff, SonarQube, and Checkmarx.

- **Tooling & Automation**: Engineered custom static code analysis tools and automated regression testing for Informatica, reducing manual effort by over 90% and improving ETL deployment efficiency using AWS Glue and Lambda.

- **Security & Access Control**: Centralized access management for 50+ Jenkins pipelines and implemented AWS IAM, enhancing security and eliminating manual access control overhead.

- **Migration & Performance Optimization**: Built Groovy-scripted tools to migrate from PowerCenter to IDMC, streamlining large-scale component transitions and integrating audit logging into Jenkins and ADO pipelines for improved compliance.

- **Testing & Deployment Automation**: Developed automation tools like Broot and JIRA integrations, reducing manual testing by 70% and increasing deployment efficiency by 60% across Jenkins and Groovy-based workflows.

Projects

- **Custom ChatGPT with LangChain**: Built a custom ChatGPT with LangChain and Hugging Face API, shared a 10-step guide on GitHub, and gained 1000+ LinkedIn impressions, boosting engagement.

- **100 Days of Flutter Application**: Launched a Flutter app to track 100 days of learning, featuring a full schedule. Live on Google Play, with CI/CD via GitHub Actions, 500+ downloads, and 75+ stars on GitHub.

- **Loga Parameshwari Temple App**: Developed and launched a live event management app for Loga Parameshwari Temple using Flutter and Firebase, with CI/CD via GitHub Actions. Live on Google Play with 50+ downloads.

Education

- **B.E Computer Science and Engineering**
  KGiSL Institute of Technology, Coimbatore
  July 2020
  CGPA: 7.28 (First Class)
  Area of Interest: Data Structures & Algorithms

Certification

- **PCEP – Certified Entry-Level Python Programmer**
  Fundamentals of Python programming including data types, functions, exception handling, and more.

- **Google Cloud - Associate Cloud Engineer**
  Proficient in Google Cloud architecture, IAM, virtual machines, storage management, and troubleshooting.

Achievements

- **TCS Innovator Cadre**: Achieved status through TCS Elevate Wings 1 journey.

- **Recognition**: Achieved TCS Innovator Cadre status and won Best Prototype Award from Aviva and TCS for a video-based insurance onboarding app.

- **Hackathon Wins**: Winner of TCS AVIVA Hackathon, 2nd place in BFSI UK2 TATA Innovista, and 3rd in LegalHack 3.0.

- **Ideathon Success**: Top 5 in BFSI GenAI Ideathon.