Sanjay RB

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Profile Summary

DevOps/DataOps Engineer with 4+ years of experience streamlining CI/CD pipelines and automating scalable, secure data workflows across AWS, Azure, and GCP. Skilled in AWS CDK, Glue, Lambda, Jenkins, Azure DevOps, and Airflow. Experienced in infrastructure as code (IaC), static code analysis, and secure cloud-based deployments. Passionate about improving developer velocity and platform reliability through code-driven automation.

Key Skills

- **Cloud & IaC**: AWS CDK, Terraform, AWS (IAM, Lambda, Glue), Azure, GCP
- **CI/CD & Automation**: Azure DevOps, Jenkins, GitHub Actions, Shell, Groovy
- **Languages**: Python, Bash, YAML, JSON
- **DataOps**: Airflow, DBT, Snowflake, Hive, PostgreSQL
- **Security & Code Quality**: SonarQube, Checkmarx, SQLFluff
- **Orchestration**: Jenkins Pipelines, Airflow DAGs, Tivoli Scheduler
- **Soft Skills**: Team Leadership, Quick Learner, Effective Communicator, Problem Solver

Professional Experience

System Engineer – Tata Consultancy Services

Oct 2020 – Present

- **Infrastructure as Code (IaC)**: Designed and deployed AWS infrastructure using **AWS CDK** for secure, repeatable provisioning of Lambda functions, Glue jobs, and IAM roles.
- **CI/CD Pipeline Optimization**: Led CI/CD strategy using **Azure DevOps** and **Jenkins**, automating ETL deployments and reducing build failures by over 70%.
- **DataOps Enablement**: Automated data workflows using Airflow and CDK-integrated pipelines, improving data transformation turnaround times.
- **Security & Compliance**: Integrated **SonarQube**, **Checkmarx**, and **SQLFluff** for automated quality checks in CI workflows. Implemented IAM role-based access control for 50+ pipelines.
- **Tool Development**: Built reusable CDK constructs and Groovy/Jenkins shared libraries to standardize deployment and testing practices.
- **Migration Automation**: Automated legacy tool migration to modern cloud-native platforms using Groovy and Jenkins, enhancing traceability and audit logging.

Education

B.E. – Computer Science and Engineering

KGiSL Institute of Technology, Coimbatore

Graduated: July 2020 | **CGPA**: 7.28 (First Class)

Certifications

- **Google Cloud – Associate Cloud Engineer**
- **PCEP – Certified Entry-Level Python Programmer**