Anirudh Voruganti

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SUMMARY

Experienced Cloud Data Engineer with 5+ years of expertise in designing scalable data pipelines, optimizing cloud infrastructure, and delivering large-scale data solutions using AWS, Informatica, and Teradata. Proficient in SQL, Python, and CI/CD pipeline development, with a strong focus on performance optimization, system reliability, and compliance with security standards. Skilled in DevOps principles, Terraform, and Service Reliability Engineering (SRE), with hands-on experience across the SDLC and Agile methodologies, delivering innovative and business-driven solutions.

SKILLS

- **Certifications:** AWS Certified Solutions Architect – Professional, AWS Certified Developer Associate, AWS Certified Solutions Architect Associate, Microsoft Certified: Azure Administrator Associate, Teradata Certified Professional.
- **Data Engineering:** SQL, Python, R, ETL Processes, Data Pipeline Development, Data Integration, Data Warehousing (Snowflake, Teradata, and Informatica).
- **Cloud Technologies:** AWS, Azure, and Google Cloud Platform (GCP), Cloud Architecture, Infrastructure as Code (Terraform).
- **Automation & DevOps:** Bash, PowerShell, Ansible, CI/CD Pipelines, Git (GitHub, Bitbucket), Linux Administration.
- **Software Development Lifecycle:** Full SDLC knowledge including design, development, testing, deployment, and operational support.
- **Agile Methodologies:** Hands-on experience with Agile practices for collaborative and iterative development.
- **Security & Compliance:** Knowledge of security frameworks and compliance standards, including encryption protocols and role-based access controls (RBAC).
- **Data Visualization and Reporting:** Power BI, Tableau, Dashboards, Reports, Data Storytelling, Business Intelligence Tools.
- **Monitoring & Reliability:** Service Reliability Engineering (SRE), Observability frameworks, and configuring monitoring tools for high availability.
- **Other Technical Skills:** Office 365 Suite, Confluence, Jira, Technical Documentation.

WORK EXPERIENCE

LTIMindtree — Jun 2024 - Present

Senior Cloud Data Engineer

- Monitored and maintained 3,000+ Informatica and Airflow jobs, diagnosing and resolving Level 1 and Level 2 incidents in real-time to ensure uninterrupted business operations for one of the largest airlines in the world.
- Engineered optimized solutions for data integrity, source data validation, and file tracking by leveraging SQL and Informatica PowerCenter tools, enhancing data accuracy and consistency.
- Ensured compliance with client's methodology, standards, and procedures by aligning solutions to meet both technical and functional requirements.
- Debugged and resolved ETL failures with a focus on root cause analysis, minimizing downtime for critical business processes.
- Coordinated with source teams and vendors to meet data transformation and reporting requirements, ensuring adherence to business SLAs.
- Developed and maintained technical documentation and SOPs, enabling efficient knowledge transfer across global teams.
- Designed and executed the migration of 400+ FTP/SFTP file transfers to modern authentication protocols, ensuring seamless integration with Informatica servers and vendor systems.
- Engineered automated test cases for pre-production environments, ensuring 100% successful test runs and error-free production rollouts.
- Configured and validated secure file transfers, implemented firewall updates, and managed URL changes, ensuring seamless integration and secure data exchange in collaboration with MFT support teams and vendors.
- Utilized Teradata for scalable data storage and processing, ensuring efficient data management and retrieval across large-scale operations.
- Collaborated with stakeholders to define data transformation and reporting requirements, consistently meeting SLAs and business-critical timelines.

Cloud Data Engineer Intern — Jun 2023 – Aug 2023

- Designed and deployed robust data pipelines integrating AWS, Python, and Apache Airflow, improving data processing efficiency by 25%.
- Collaborated with cross-functional teams to develop conceptual, logical, and physical data models that support business analytics.
- Utilized Teradata to structure and optimize data warehouses for scalability, enabling efficient querying and reporting across large datasets.
- Automated cloud infrastructure deployment using Terraform, ensuring alignment with business needs and scalability requirements.

Accenture   Oct 2021 – Jul 2022
Senior Cloud Engineer

- Designed and deployed scalable, secure, and highly available cloud infrastructures on Azure and AWS, leveraging cloud-native tools such as Azure Resource Manager (ARM) templates and AWS CloudFormation to optimize resource utilization.
- Automated provisioning of infrastructure and application deployments using Terraform, Ansible, and PowerShell, reducing manual effort and achieving a 40% reduction in downtime.
- Built and optimized CI/CD pipelines using Jenkins and Azure DevOps, incorporating unit testing, performance monitoring, and rollback mechanisms to ensure seamless and reliable application delivery.
- Designed solutions with a strong emphasis on scalability, reliability, observability, and fault tolerance, supporting mission-critical operations for Fortune 500 clients.
- Configured and maintained essential services, including databases, log monitoring tools (e.g., ELK stack), and observability frameworks to support robust and secure data infrastructure.
- Collaborated with engineering teams to design and optimize workflows, tools, and automation approaches, streamlining infrastructure management and enhancing performance by 25%.
- Aligned all implementations with security and compliance frameworks, ensuring adherence to enterprise controls and standards.
- Collaborated within cross-functional Agile teams to deliver cloud migration and application modernization projects, ensuring adherence to sprint goals and timelines.
- Implemented SRE principles, proactively monitoring critical metrics, implementing failover strategies, and addressing potential issues to enhance system reliability and achieve 99.9% uptime.
- Used GitHub and Bitbucket for source control, enabling efficient code collaboration and maintaining clean code practices through peer reviews.

Teradata Corporation   Jul 2018 – Oct 2021
Cloud Support Engineer

- Delivered comprehensive support for Teradata's cloud services on AWS, Azure, and private cloud platforms, ensuring 99.9% system uptime for mission-critical applications.
- Built and maintained CI/CD pipelines for deploying ETL workflows and infrastructure updates, achieving a 30% reduction in deployment times.
- Performed in-depth troubleshooting of Linux-based systems, including diagnosing file system errors, analyzing logs, and resolving issues related to process management and network configurations.
- Automated routine administrative tasks such as user management, patching, and resource allocation using shell scripting and Ansible, improving operational efficiency.
- Configured and monitored cloud infrastructure using tools like CloudWatch, Azure Monitor, and custom scripts to proactively address potential issues and minimize downtime.
- Played a key role in 24/7 on-call rotations, responding to system alerts, resolving incidents, and performing root cause analysis to prevent future occurrences.
- Engineered ETL pipelines using AWS Glue and Lambda, streamlining data transformations and reducing error rates in high-volume environments.
- Conducted in-depth performance analysis of cloud services, optimizing compute, storage, and networking resources to improve cost efficiency without compromising service quality.
- Partnered with Agile teams to plan and execute sprint deliverables, ensuring timely resolution of cloud infrastructure issues.
- Identified and resolved performance bottlenecks, contributed to code reviews, and played a key role in on-call rotations to optimize mission-critical systems.
- Enhanced service reliability by proactively monitoring critical metrics, addressing potential issues before impacting operations.
- Authored technical documentation, including troubleshooting guides, deployment checklists, and SOPs, significantly improving resolution times for recurring issues and supporting new team members during onboarding.

EDUCATION

University of South Florida   Tampa, FL
Master of Science (MS) in Business Analytics and Information Systems.   Aug 2022 - May 2024

Birla Institute of Technology and Science, Pilani (BITS Pilani)   Pilani, India
Master of Business Administration (MBA) in Business Analytics.   Aug 2020 – Aug 2022

SRM Institute of Science and Technology   Chennai, India
Bachelor of Technology (B.Tech) in Electronics and Communication Engineering. May 2014 – Jun 2018