ANSAF NAGORI

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EDUCATION

Illinois Institute of Technology, Chicago | Master's in Computer Science   **January 2023 - December 2024**
Coursework: Cloud Computing, Data Privacy & Security, Cryptography, Machine Learning   **GPA: 3.6/4**

WORK EXPERIENCE

Cloud Engineer - Genpact, Delhi, India   **March 2022 - January 2023**

- Achieved 30% faster processing speeds and supporting high-quality, reliable infrastructure by architecting and deploying a four-tier CI/CD pipeline using AWS EC2, RDS, S3, CloudFormation (IaC) and etc. for pharmaceutical clients like Pfizer, Bayer and etc. and supported high-quality, reliable infrastructure with high traffic (Due to Covid-19) and monitored systems with AWS CloudWatch, Prometheus, and Grafana to ensure system reliability and security in collaboration with the team.
- Reduced Costs by 20% annually on AWS taking initiative and successful Research & Development (R&D) on cost optimization across AWS Services like Opensearch, Redshift, EFS etc.
- Achieved 100% success rate and compliance with HIPAA/GDPR standard by designing Disaster Recovery plan for AWS RDS, EFS and Opensearch with Point-in-Time Recovery and mock drills.
- Reduced access control time by 99% by automated IAM, RDS, and MySQL access management with Python, AWS Lambda and MariaDB.
- Reduced Time 99% and Cost by 30% by meticulous Analysis and Automation of Kibana Logs Deletion for all the AWS Opensearch clusters for all environments including Productions using AWS Lambda, Bash, and Python, and improved system performance and troubleshooting efficiency.
- Specialized in AWS security frameworks (AWS Shield, WAF, KMS) to embed security into cloud infrastructure, fostering self-healing, secure infrastructure-as-code practices.
- Conducted 10+ Knowledge Transfer (KT) sessions to train team members from diverse backgrounds on Monitoring Cloud Automation best practices, fostering a culture of collaboration and innovative solutions.

Software Engineer | DXC Technology, Chennai, India   **June 2020 - March 2022**

- Administered 100+ Azure Data Factory (ADF) pipelines and scheduled data flows across Linux and Windows Enterprise Servers, consistently meeting SLA requirements with 100% success.
- Enhanced data reliability by 25% and flow efficiency by 20% in the Core Data Lake project using Azure Data Factory and Airflow, leveraging Spark for efficient large-scale data processing.
- Standardized and validated data types across datasets, reducing data inconsistencies by 30% through rigorous testing in Agile and Kanban frameworks, ensuring alignment with evolving project goals.
- Created 20+ monitoring scripts in PowerShell for ServiceNow incident tracking and 24x7 support, reducing incident response times by 30%. Utilized ELK Stack to visualize system health, ensuring prompt issue resolution.
- Built and deployed containerized applications with Docker and Kubernetes, reducing deployment errors by 15% and improving scalability across hybrid cloud environments.
- Documented workflows and network configurations in Confluence, supporting cross-team collaboration and reducing onboarding time by 20% for new hires.

PROJECTS

- **CI/CD Pipeline for Personal Portfolio** [Github]: Designed an Automated CI/CD pipeline using Terraform (IaC), Jenkins, for a personal website and minimized manual deployment steps by 80% and ensured Continuous Integration and Delivery of updates.

- **Scalable, Secure Cloud-Based VPN Solution** [Github]: Engineered a scalable VPN solution for secure data transmission using AWS EC2, Terraform, and OpenVPN and CI/CD with Github Actions, and also established secure access protocols with AWS KMS and automated disaster recovery procedures to ensure resilience and cost-effectiveness.

SKILLS

- **Programming & Scripting**: Python, Bash, SQL, PowerShell
- **Automation & DevOps Tools**: Chef, Terraform, Ansible, Jenkins, Docker, Kubernetes, GitLab
- **Cloud/PaaS Environments**: AWS, Azure, GCP
- **System Administration**: Linux/UNIX administration, troubleshooting, performance tuning, security

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate (SAA-C03) [Credly Batch]