KOSHA RAJESH GOHIL

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Cloud & DevOps Engineer with 4+ years of experience in **automation, CI/CD pipelines, and secure cloud infrastructure**. Skilled in AWS, Terraform, Docker, and Python, with expertise in monitoring, IAM, and compliance-driven deployments. Strong cybersecurity background with an M.S. in Information Systems Security, ensuring reliability and governance in every solution.

# EXPERIENCE

**Cloud & Data Engineer – Analytics Team** |FilmyAi | New York City, NY **Oct 2024 - Present**

* Automated data ingestion and monitoring pipelines with **Airflow and AWS services**, reducing manual operations by **50%** and improving reliability.
* Deployed **secure IAM roles, encryption standards, and audit logging**, aligning with SOC2 and HIPAA compliance for analytics workloads.
* Implemented **CloudWatch monitoring and alerting** data pipelines, reducing incident response time and strengthening SLA adherence.
* Built Tableau/QuickSight dashboards to monitor **infrastructure KPIs** (availability, performance, cost), enabling proactive optimization.

**Cloud Engineer** | Exchange IT | New York City, NY **May 2023 – Oct 2024**

* Automated **ETL workloads on Redshift, S3, and BigQuery** with Python, improving scalability and cutting runtime by **60%**.
* Designed **infrastructure monitoring dashboards** in Tableau and MicroStrategy, providing real-time visibility into resource utilization and uptime.
* Developed **Terraform templates and CI/CD pipelines** for secure deployment of analytics applications.
* Integrated **IAM policies and data governance rules**, reducing access risks and ensuring compliance with security best practices

**Software Development Engineer** |Skyline Developers. | Pune, India **Jun 2020 – July 2022**

* Built **fault-tolerant ETL frameworks** with Spark, Kafka, and Hadoop, ensuring high availability for mission-critical workloads
* Automated ingestion and monitoring tasks with **Airflow**, reducing manual effort and improving pipeline uptime.
* Migrated and modernized **Python services**, improving maintainability and deployment consistency.
* Partnered with DevOps teams to implement **CI/CD pipelines (Jenkins/GitLab)** for data services, supporting secure, repeatable deployments.
* Collaborated with infra teams on **VPN, firewall, and hybrid cloud configurations**, improving security posture and system resilience.

# SKILLS

**Programming & Scripting**: Python (Pandas, NumPy), SQL, R, SAS, Java, Bash, Shell, Jupyter Notebooks  
**Data Engineering & BI**: ETL Automation, Data Pipeline Design, Spark, Kafka, Hadoop, Hive, AWS Glue, Airflow, Tableau, Power BI, Amazon QuickSight, Looker, MicroStrategy, Excel (Pivot, VLOOKUP)  
**Databases & Warehousing**: AWS Redshift, DynamoDB, Oracle, MongoDB, Snowflake, S3, EC2, Data Warehouse Design (Star/Snowflake Schemas), T-SQL  
**Cloud & DevOps**: AWS (CodePipeline, CodeBuild, CodeDeploy, Lambda, CloudWatch), GCP, Azure, Terraform, Docker, Git, Kubernetes, CI/CD Pipelines, Infrastructure as Code (IaC)  
**Security & Compliance**: IAM, VPC Security, Network Firewalls, Cloud Monitoring, SOC2, HIPAA, PCI DSS, Security Best Practices, Data Governance

# KEY PROJECTS

## Healthcare Predictive Analysis in Oncology: Skin Cancer (Python, Neural Networks)

* Developed a Generative AI model with 81.7% accuracy and strong precision and recall scores.

**Serverless Security Log Monitoring System (AWS Lambda, DynamoDB, CloudWatch)**

* Built serverless log-monitoring for millions of events daily, boosting incident response SLAs by 35%.

**Cloud-Native Security Log Monitoring (AWS Lambda, DynamoDB, CloudWatch)**

• Automated monitoring of millions of daily security logs with anomaly detection, reducing incident response time by 35%.

**Cloud Cost Optimization Dashboard (AWS Cost Explorer, QuickSight, Lambda)**

• Built an automated FinOps pipeline that analyzed AWS usage data, reducing monthly cloud spend by 22% while improving resource utilization visibility

# EDUCATION

**Master of Science in** Computer and Information Systems Security**,** Pace University, New York City, United States **May 2024**

**Bachelor of Engineering in Computer Engineering,** University of Mumbai, India **July 2021**

# CERTIFICATIONS

* **AWS** Certified Data Analytics – Specialty (In progress) | **SQL** Essential Training | Data **Visualization** for Data Analysis and Analytics
* **AWS** Certified Solutions Architect -Associate **|** **AWS** Certified Cloud Practitioner
* **CompTIA Security+** **|** **CCNA**