**🧾 Service Catalog: Cloud Solutions**

**🌐 Section Title:**

**Modern, Scalable, and Secure Cloud Services to Power Digital Transformation**

From cloud migration to data platform modernization and infrastructure automation, we help you unlock the full potential of cloud technologies across AWS, Azure, GCP, and hybrid environments.

**🧩 1. Cloud Migration & Modernization**

**🔹 Overview:**

Accelerate your journey to the cloud with secure and structured migrations, ensuring minimal downtime and full compatibility.

**✅ Key Services:**

* Cloud readiness assessments & migration strategy
* Lift-and-shift, re-platforming, and re-architecting applications
* Migration of databases, file systems, and on-prem workloads
* Hybrid and multi-cloud deployments
* Cloud landing zone setup and tagging standards

**🎯 Outcomes:**

* Reduced infrastructure overhead
* Improved scalability and uptime
* Faster modernization with minimal disruption

**🧩 2. Cloud Data Platforms & DataOps**

**🔹 Overview:**

Build modern cloud-native data platforms and automate end-to-end pipelines using best-in-class tools.

**✅ Key Services:**

* Data lakehouse architecture (Delta Lake, Iceberg, Hudi)
* Ingestion pipelines using Kafka, Airflow, Glue, or Dataflow
* Orchestration and version control using dbt, GitOps, CI/CD
* Integration with Snowflake, Redshift, BigQuery, Databricks
* Dev/stage/prod environment segregation and rollback mechanisms

**🎯 Outcomes:**

* End-to-end visibility and lineage across data flows
* Modular and reusable pipelines for rapid onboarding
* Cloud-native compliance-ready data platforms

**🧩 3. Infrastructure as Code & DevOps**

**🔹 Overview:**

Automate infrastructure provisioning, deployment, and monitoring using Infrastructure-as-Code (IaC) and DevOps best practices.

**✅ Key Services:**

* IaC using Terraform, Pulumi, AWS CDK, or ARM templates
* CI/CD pipelines using GitHub Actions, GitLab, Azure DevOps
* Containerization using Docker and orchestration with Kubernetes or ECS
* Centralized secrets management and environment configuration
* Observability stack with Prometheus, Grafana, and ELK

**🎯 Outcomes:**

* Faster and repeatable environment setups
* Secure, version-controlled, and rollback-friendly infrastructure
* 24/7 monitoring and alerting for mission-critical systems

**🧩 4. Cloud Security, Cost Optimization & Governance**

**🔹 Overview:**

Ensure your cloud environments are secure, cost-efficient, and compliant with industry standards.

**✅ Key Services:**

* Identity and access management (IAM) strategy and setup
* Encryption (at-rest, in-transit), key management (KMS)
* Security compliance: SOC 2, ISO 27001, HIPAA, MAS TRM
* Cost allocation, usage analytics, and rightsizing
* Policy enforcement via tagging, SCPs, budgets

**🎯 Outcomes:**

* Proactive security and cost control
* Governance aligned with audit and compliance requirements
* Sustainable and accountable cloud operations