

Glen Trudeau

Cloud Architect · Cloud Engineering Manager

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PROFILE

Hands-on cloud architect with 9+ years designing, securing, and operating production data and analytics platforms across AWS, Azure, and Snowflake. Strongest as the technical owner of regulated multi-environment platforms, identity and connectivity, orchestration reliability, and production incident response — partnering with data architects rather than managing large staffs.

Repeat delivery patterns: regulated Snowflake/AWS platforms (ACA/CMS), enterprise search connectors (Glean), Snowflake-native identity resolution / Customer 360, and Tableau Server ↔ Cloud migrations with hybrid connectivity.

PROFESSIONAL EXPERIENCE

Manager, Cloud Engineering

Oct 2021 – Present

Archetype Consulting — Boston, MA (data & analytics consultancy)

State Healthcare Agency (Vermont Health Connect / MDAR) — Platform Owner · 2023 – Present

- Hands-on cloud architect for a MARS-E / ARC-AMPE regulated analytics platform serving an ACA health insurance exchange: 8 Terraform/Terragrunt environments across two AWS regions (primary + DR), multi-account isolation via Organizations, and GitHub Actions with self-hosted runners for DEV→STG→PRD promotion.
- Modernized orchestration from AWS MWAA/Airflow (upgraded 2.2.2→2.10.3) to **Dagster on ECS**, including dual Dagster/Prefect evaluation, production cutover, and deploy safeguards (drain/wait, job reconnect) that prevent mid-run job orphaning.
- Authored the Oracle Cloud Migration IaC Deployment Plan (on-prem Oracle 19c → Azure Oracle 23c feeding AWS DMS/Snowflake), specifying CDC (LogMiner→Binary Reader), parallel validation environments, and cutover/rollback readiness.
- Hardened Snowflake credential posture: service users to TYPE=SERVICE with key-pair auth, Secrets Manager-backed deploy tokens, and a Lambda that discovers and rotates Tableau-embedded Snowflake passwords across all environments.
- Operate clustered Tableau Server with blue/green A-B cutover; Datadog/CloudWatch monitoring; annual multi-region DR exercises completing in ~4–5 hours against a 24-hour RTO; monthly Inspector-driven vulnerability remediation.

Massachusetts CIW / EOTSS — Redshift → Snowflake Migration · 2024 – 2025

- Authored the target-state Snowflake Design (accounts, multi-database/schema model, RBAC, Entra ID SAML+SCIM, PrivateLink network policies, row-access policies, Time Travel).
- Built async parallel Python unload/load tooling and DataComPy reconciliation (0% row-count variance on validated production table sets) enabling safe parallel Redshift/Snowflake operation through cutover.

SharkNinja — Customer 360 Identity Resolution (Snowflake Cortex) · 2026

- Owned the Snowflake-native entity-resolution track end to end (~15.6M harmonized records from Salesforce, Listrak, Zendesk): dbt harmonization, vector similarity + tiered matching (auto-accept / auto-reject / AI_CLASSIFY middle band), validation framework, and cost comparison vs AWS Entity Resolution (~\$2.5K vs ~\$4.8K/mo at modeled scale).

Enterprise Search Connectors (Glean) — Calendly Hex & Thornton Tomasetti Nasuni · 2025 – 2026

- Lead connector engineer for two custom Glean integrations: Hex→Glean on GCP/Kubernetes (ArgoCD, Vault) delivered to production; Nasuni→Glean on Azure Container Apps with Terraform, default-deny egress, CodeQL CI, and Phase 1 knowledge transfer to the client CIO track.

Tableau Cloud Migrations & Secure Snowflake Connectivity · 2022 – 2025

- MBTA: cloud/network track for dual Tableau Server→Cloud migration (internal + public embeds on data.mbta.com); authored Tableau Bridge design; go-live on schedule.
- EOED: led Tableau Cloud ↔ Snowflake PrivateLink / Private Connect workstream; Entra ID SSO+SCIM and OAuth patterns for Commonwealth workloads.
- Multiple state agencies (FLDOE, EOHED/EOHLC, others): SAML/SCIM, Bridge hybrid connectivity, Connected Apps embedding, and Server→Cloud cutovers.

Additional Public-Sector Delivery · 2025

- MA Executive Office of Education: hands-on bake-off of entity-resolution platforms (Tilores recommended at 98.9% F1 on person validation) with security architecture for FERPA/PII processing.
- VITL (Vermont HIE): implementation engineer on SMART on FHIR API Gateway (API Gateway, Cognito, Lambda); Cognito DR control for SSP; production Inferno remediation; runbooks and knowledge transfer.
- HarborOne Bank: Snowflake network-access hardening (VPN egress policies) and SharePoint cluster patching under change control; client recognition for production patch recovery.

Earlier Archetype Engagements · 2022 – 2024

- CarGurus (Infrastructure Architect): embedded on data-infra team — Airflow/Python/dbt/Looker upgrades, Snowflake feeds, marketing pipelines (Facebook Insights, DV360).
- Flagship Pioneering: Terraform-managed AWS server/S3/EPM Automate for NetSuite Planning & Budgeting on the Finance data platform.

- Cobalt Benefits (HIPAA): hosted Tableau Server lifecycle (SAML/SSL/SMTP, upgrades), then migration into client-managed infrastructure with parallel rollback window.

Senior Consultant → Consultant → Analyst

Jun 2017 – Oct 2021

Cervello (an A.T. Kearney company)

- Architected Azure/Confluent Kafka → Snowflake analytics platforms with Terraform, GitHub Actions, Azure AD, Private Link/ExpressRoute, and Datadog; regional DR across Dev/Test/Prod.
- Led DevOps for a customer-facing AWS platform (Elastic Beanstalk, Docker, Terraform/GitLab CI, New Relic, Cloudflare) targeting near-zero-downtime releases.
- Built Azure Talend agents for on-prem→Snowflake loads; containerized market-data collection with automated VM rotation; established infrastructure ownership covering security audits, cost, failover, and cloud migrations.

EDUCATION

Texas A&M University–Commerce — BAAS, Organizational Leadership

2016

CERTIFICATIONS

Snowflake SnowPro Core (2024) · AWS Certified Security – Specialty (2023) · AWS Certified Cloud Practitioner (2022) · AWS Certified Developer – Associate (2017) · Microsoft Azure Fundamentals (2020) · Snowflake Associate Architect (2018) · AWS Partner Accreditations (Business, Technical, Cloud Economics)

TECHNICAL SKILLS

Cloud & Data: AWS (deep), Azure, Snowflake, GCP; dbt, Dagster, Airflow, DMS CDC, Kafka/Confluent, Fivetran, Redshift, Oracle

IaC & Delivery: Terraform, Terragrunt, CloudFormation, ARM; GitHub Actions, GitLab CI, ArgoCD/GitOps, Docker, Kubernetes, AWS SAM

Security & Identity: Entra ID/SAML/SCIM/OAuth, PrivateLink, network policies, Secrets Manager, Vault, WAF, Inspector/GuardDuty, key-pair & token auth

BI & Search: Tableau Server/Cloud/Bridge/Private Connect, Power BI, Glean custom connectors, SMART on FHIR / API Gateway

Languages: Python, SQL, Terraform/HCL, Bash, PowerShell, Node.js

Observability: Datadog, CloudWatch, New Relic, Splunk forwarding

Compliance: ARC-AMPE / MARS-E, NIST 800-53, HIPAA, FERPA, FISMA, Security Impact Analysis, DR/IR exercises