

## Ted Strall

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### Professional Summary

**Senior cloud infrastructure engineer** with a focus on scalable system design, automated deployment pipelines, and secure AWS architecture.

Creator of **Adage** (a config-first Terraform framework) and **Karma** (a graph-based system for infrastructure lineage and dependency tracking).

Proven track record collaborating with **developers, DBAs, data scientists**, and **stakeholders** to deliver production systems and drive major cloud migrations.

Experienced with **Terraform, Kubernetes, Jenkins**, and modern AWS services including **Lambda, Fargate, EKS, Cognito**, and **RDS**.

I build infrastructure that helps teams deploy faster—with security, visibility, and minimal friction.

### Experience

#### Founder & Senior Cloud Infrastructure Engineer

*strall.com / Adage Infrastructure Studio – Lake Zurich, IL*

Mar 2025 – Present

- Built Adage, a Terraform-based framework for modular, multi-account AWS infrastructure with runtime-aware parameter management and identity-based access controls.
- Developing Karma, a graph backend using Amazon Neptune for infrastructure lineage and dependency tracking across services and environments.

#### Senior Data Engineer / DevOps Architect

*Sparksoft (via TISTA) – Remote*

Jul 2023 – Feb 2025

- Led infrastructure automation across environments using Terraform and Jenkins.
- Migrated high-throughput systems from Oracle to Aurora PostgreSQL using DMS and schema tools.
- Defined identity-aware, parameter-driven deployment pipelines using SSM, IAM, and Secrets Manager.
- Integrated GitHub Actions and Jenkins for secure CI/CD across IaC workflows.
- Reviewed and standardized Terraform modules to improve modularity and team adoption.
- Collaborated with Java developers on database integrations and deployment ownership.
- Worked with data scientists and DBAs to plan and execute the Oracle-to-Aurora migration.
- Partnered with business analysts to refine data models and reporting.
- Interfaced with stakeholders and customers to track issues, progress, and delivery.

## **Senior Cloud Engineer / DevOps Specialist**

*TISTA Science and Technology – Remote*

Jun 2019 – Jul 2023

- Designed and deployed full-stack AWS infrastructure using Terraform.
- Managed workloads using EKS, Lambda, API Gateway, S3, Aurora, and Route 53.
- Integrated Cognito for secure user authentication in serverless applications.
- Implemented secrets orchestration via Ansible, Jenkins, and SSM Parameter Store.
- Led environment bootstrapping and cross-account policy configuration for multiple teams.
- Delivered tooling for release verification, database state tracking, and drift detection.

## **Earlier Roles – Backend, DevOps, Data Engineering**

*Examples: Uptake, Finch Computing, Bloomberg Law, Bank of America*

2008 – 2019

- Held backend, DevOps, and data engineering roles across healthcare, education, and commerce sectors.
- Built APIs in Java and Python, supported early Terraform adoption, and automated deployments.
- Maintained production-scale services and led monitoring using Solr, custom logs, and alert pipelines.
- Contributed to CI/CD pipelines, scripting, and production readiness in distributed systems.

## **Skills**

Languages: Python, Java, HCL, Bash, SQL

Tools: Terraform, Kubernetes, Jenkins, Ansible, Docker, GitHub Actions, Prometheus, Grafana, Datadog, Splunk, Hadoop

Cloud: AWS (Lambda, Fargate, ECS, EKS, EC2, RDS, Aurora, S3, IAM, SSM, Cognito, CloudFront, Route 53, ACM, API Gateway, SNS, SQS)

Practices: CI/CD, environment-driven deployment, identity-based access, modular IaC, runtime configuration, secure bootstrapping, distributed systems, observability, secrets management, ML extensibility

## **Education**

University of Illinois – B.S., Software Engineering

DePaul University – M.S., Predictive Analytics (incomplete)

Completed all core and advanced courses; 3 courses short of degree