Danny Molnar — Curriculum Vitae (2025)

Cloud / Platform Engineer · AWS Consultant · Infrastructure Tooling Developer
London, United Kingdom
✉ danny.molnar@proton.me | 🔗 github.com/danny-molnar | 🔗 linkedin.com/in/...

Professional Summary

Cloud & Platform Engineer with experience building, automating and operating large-scale AWS environments, landing zones, CI/CD platforms and internal developer tooling. Skilled in Terraform/Terragrunt, GitOps, observability, cost insights, and platform reliability.

I specialise in designing infrastructure that is **repeatable**, **secure**, and **developer-friendly**, supported by custom tooling (mostly in Go) that simplifies understanding and safely modifying cloud systems.

I enjoy the intersection of automation, platform design, and philosophy — often exploring ways to make infrastructure more **introspectable**, **narratable**, and **safe to change**.

Core Competencies

- Cloud Architecture (AWS primary; GCP experience)

- Landing Zones, Account/VPC Architecture, IAM Governance

- Infrastructure as Code: Terraform · Terragrunt · Terratest

- CI/CD & Platform Engineering: GitLab · GitHub Actions · Jenkins

- Observability & Monitoring: Grafana · Prometheus · CloudWatch

- FinOps Practices: CUDOS / Cloud Intelligence Dashboards · Cost Reporting · Budgets

- Infrastructure Tooling (Go / Python)

- Containers & Orchestration: Docker · Kubernetes (k3d/kind)

- Configuration Management: Ansible

- OS & Tooling: Linux · Bash · Nix (learning)

Professional Experience

AWS Consultant / Platform Engineer

Appvia — London, UK (2025 – Present)

- Designing and implementing AWS landing zones, guardrails, IAM governance and automation pipelines.

- Supporting teams with CI/CD, GitLab platform operations, Terraform pipelines and DR/HA design.

- Delivered FinOps insights and CID dashboards, enabling engineering teams to reduce waste and optimise workloads.

- Improved developer experience through automation, templates, standardisation and repeatable patterns.

Cloud Systems Developer / Platform Engineer

Cloudreach — London, UK (2021 – 2024)

- Engineered cloud automation templates for AWS/GCP environments.

- Implemented CI/CD pipelines, observability patterns, and infrastructure migration paths.

- Introduced infrastructure testing practices (Terratest) for higher release confidence.

- Worked on platform reliability, cost reduction initiatives, and cross-team technical enablement.

Selected Projects

Glyphra – Infrastructure Summarisation & Drift Tooling (Go)

A CLI/agent for analysing Terraform plans, summarising infrastructure changes, and (future direction) drift detection.

Terradendro – Terraform Plan Visualiser (Go)

Experimental tooling to parse, classify and highlight Terraform plan diffs, generating Markdown/HTML summaries.

Inori – DSL / Language Experimentation

Long-term language design project exploring pipelines, templating, and infra-oriented computation.

gitorch – Git Hygiene CLI

Local CLI to detect divergence, stale branches, and basic workflow health.

Technical Skills

Cloud Platforms

- **AWS** (primary): IAM, VPC, EC2/ECS, Lambda, CloudWatch, SSM, KMS, Budgets, Organizations

- **GCP**: IAM, Compute Engine, Cloud Run, Cloud Functions, VPC, Monitoring

IaC & Tooling

- Terraform, Terragrunt, Terratest

- Ansible

- Nix/NixOS (beginner experience)

Programming

- **Go** (tooling, CLIs, infrastructure automation)

- Python (automation scripts, data wrangling)

- JavaScript / TypeScript (platform workflows, lightweight tooling)

CI/CD & Dev Tools

- GitHub Actions, GitLab, Jenkins

- Docker, Kubernetes, k3d/kind

- GitOps patterns

Monitoring & Observability

- Prometheus, Grafana, Loki

- CloudWatch Logs & Metrics

- OpenTelemetry (learning)

FinOps & Cost Efficiency

- AWS CUDOS / CID Dashboards

- Compute Optimizer

- Budgets, cost anomaly detection

- Rightsizing and workload optimisation workflows

Currently Learning

- Rust

- AgentOps / ML-driven platform automation

- Advanced Kubernetes (service mesh, home lab clusters)

- Data engineering fundamentals

- Nix/NixOS deeper usage

Certifications

- AWS Solutions Architect – Professional

- AWS Developer – Associate
- AWS Machine Learning – Specialty
- Google Cloud Developer Professional

Education

BSc – Computer Software Engineering & Mathematics
University of Szeged, Hungary

Personal Interests

- Language design experiments (Inori ecosystem)

- Philosophy of infrastructure, systems thinking, and category theory

- Home-lab experimentation (Kubernetes, networking, mini-cloud architectures)

- Writing: Substack ("The Sublime Infrastructure") and long-form technical essays