Rhys McNeill

SENIOR CLOUD & PLATFORM ENGINEER

CONTACT

Bangor, Northern Ireland

linkedin.com/in/rhys-mcneill-cybsec

github.com/rhysmcneill

SKILLS

Cloud
AWS

Infrastructure as Code
Terraform, OpenTofu, Terramate, Ansible

Containers & GitOps
Kubernetes, Docker, Helm, ArgoCD

Observability
Grafana, Prometheus, Loki, Tempo, Fluent Bit, OpenTelemetry, CloudWatch, New Relic, Datadog

CI/CD & Security
GitHub Actions, CodeBuild/CodePipeline, DevSecOps, SAST, Cloud Security, Runtime Security

Databases
MySQL, PostgreSQL

Languages & OS
Python, Go, Bash, Linux

CERTIFICATIONS

Certified Kubernetes Administrator

AWS Solutions Architect – Professional

AWS Security – Specialty

AWS Solutions Architect – Associate

HashiCorp Terraform Associate

OpenTelemetry Certified Associate

Argo Project Associate

EDUCATION

BSc Computer Science
First Class Honours
Ulster University · 2018 – 2022

PROFILE

Senior Cloud & Platform Engineer with a strong interest in infrastructure, observability, GitOps and security. Extensive experience automating, optimising and streamlining development and operational workflows, with a focus on CI/CD, cloud infrastructure, system reliability and scalable platform engineering.

EXPERIENCE

Senior Cloud & Platform Engineer

Learning Pool · Remote · 2026 – Present

Lead the design, implementation and delivery of scalable, secure and observable cloud infrastructure and self-service platform tooling for developers, aligned with business objectives.

- **IaC transformation**: Moved infrastructure from legacy ClickOps to modular, DRY Terraform and Terramate with stack-driven GitOps pipelines for repeatable, auditable deploys.
- **Cost optimisation**: Identified and delivered infrastructure changes securing $60k+ in annual savings.
- **GitOps & developer experience**: Built self-service deployment patterns across NextJS, Go, Java, Python and PHP using ArgoCD and Helm, so developers now release multiple times per day.
- **Security & governance**: Embedded security controls into CI/CD (GitHub Actions, CodeBuild/CodePipeline) with SAST, IaC scanning and least-privilege IAM; enforced governance with Control Tower, SCPs, GuardDuty, Config, WAF and Security Hub.
- **AI innovation**: Contributed to agentic AI integrations automating incident response and operational workflows using Python, Strands SDK, AWS Bedrock AgentCore and Agent2Agent protocols.
- **Cluster management**: Own multi-cluster EKS lifecycles, including upgrades, maintenance and security.
- **Observability & mentoring**: Manage the Grafana, Prometheus, Loki, Tempo and Fluent Bit stack, drove OpenTelemetry adoption, and mentor engineering teams on cloud-native and security best practices.

Senior DevOps Engineer

IriusRisk · Remote · 2022 – 2026

Architected AWS solutions and optimised GitOps and CI/CD pipelines for secure software delivery.

- **Observability & SRE**: Led the observability stack (Grafana, Prometheus, Loki, Tempo, OpenTelemetry, New Relic) and helped define SLIs, SLOs and error budgets.
- **Infrastructure as code**: Automated AWS provisioning with Terraform/OpenTofu and Terramate; managed configuration with Ansible.
- **CI/CD & DevSecOps**: Built pipelines that cut deployment times and errors, with integrated SAST and container image scanning.
- **Kubernetes & Cost**: Ran containerised workloads on EKS with ArgoCD and Helm and delivered measures that reduced the AWS bill.

PROJECTS

ssmctl · github.com/rhysmcneill/ssmctl

Open-source Go CLI for shell access, file transfers and port forwarding over AWS SSM, with no bastion hosts, open ports or SSH keys.

helm-semver · github.com/rhysmcneill/helm-semver

Open-source Go tool automating semver releases for Helm chart monorepos, from conventional commits through to packaging and pushing to any OCI registry.