

Kjell Hysjulien

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Professional Summary

IT Cloud-engineering graduate who automates secure infrastructure deployments on AWS using Terraform, Docker and GitHub Actions. Skilled in Linux system administration for lab and personal projects, and in building fully automated, hardened cloud environments.

Technical Skills

- **Cloud:** AWS (S3, CloudFront, Route 53, IAM, KMS); basic Azure
- **Infrastructure as Code:** Terraform (remote S3 + DynamoDB state, modules, workspaces)
- **Automation & CI/CD:** Docker, GitHub Actions (OIDC); basic Python and PowerShell scripting
- **Networking:** VPC design, IPv4/IPv6; VPN concepts
- **Security & Compliance:** IAM least-privilege, OAC, tfsec & checkov static analysis
- **Operating Systems:** Linux (Ubuntu), Windows

Core Soft Skills

- Communicate technical concepts clearly to non-technical stakeholders
- Deliver client-focused support and maintain service levels under tight deadlines

Education & Certifications

AAS, Cloud Engineering Technology – Magna Cum Laude **Aug 2022 – May 2024**

Dunwoody College of Technology, Minneapolis, MN

- Academic Excellence Award
- Dean's List (2021-2024)
- Certifications: AWS Certified Cloud Practitioner (2022)
- Microsoft Azure Fundamentals (2022)

Projects

Production-Grade Portfolio Infrastructure | KjellHysjulien.com **2023 – present**

- Engineered private S3 hosting behind CloudFront with Origin Access Control, delivering 100 % TLS-encrypted traffic
- Wrote a 1 000-line Terraform stack covering S3, CloudFront, Route 53, IAM, KMS and DynamoDB
- Applied CIS-aligned hardening across IAM, S3 and GitHub workflows
- Built a zero-touch GitHub Actions pipeline (OIDC) that deploys on every push and invalidates CDN caches; >50 runs with zero credential leaks
- Automated monthly tfsec/checkov scans; findings logged to SECURITY_AUDIT.md for continuous compliance

Network-Wide Ad-Blocking with Pi-hole & Docker | Raspberry Pi 3 **2024 – present**

- Deployed Pi-hole in Docker Compose on a Raspberry Pi, using host networking for full DNS capture
- Hardened the container with persistent volumes, admin-auth lock-down and logging limits
- Reconfigured home router to route all LAN DNS through Pi-hole, achieving network-wide ad filtering and privacy

Professional Experience

Data Technician (Contract) | Stonebridge Advisory - Minneapolis, MN **May 2020 – Apr 2022**

- Verified and processed financial documents to ensure data accuracy across 500+ business valuations
- Facilitated effective client communication to support timely and accurate valuation delivery
- Analyzed financial data using Excel to support insights and recommendations for key business decisions

Personal Health Sabbatical **Mar 2018 – May 2020**

Resource Counselor | Enrich Inc. - Shoreview, MN **Apr 2015 – Mar 2018**

- Designed and implemented structured routines to enhance quality of care and ensure safety for developmentally disabled adults
- Utilized behavior management techniques to support positive client outcomes and individualized progress
- Independently managed weekend care operations, maintaining consistency and reliability in client support services