

Nick Kirk

Staff DevOps Engineer · Engineering Leadership · Regulated Financial Services

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DevOps engineering leader for a multi-team loan originations platform in regulated financial services. Turns cloud infrastructure into faster, safer delivery: standards other teams adopt, zero-downtime multi-account migrations, and nearly \$1M in annualized savings since 2024. Develops engineers into senior-level subject matter experts, drawing on 14 years of progressive enterprise infrastructure experience, including AWS Professional Services.

EXPERIENCE

OneMain Financial · Wilmington, DE

Jun 2023 – Present

Staff Engineer, DevOps

Dec 2024 – Present

- Lead a team of 3 DevOps engineers supporting a 40+ engineer loan originations platform, sustaining a two-week release cadence with no significant infrastructure outages
- Core engineer on moving the primary customer site (10+ domains) from Imperva to AWS WAF and CloudFront, saving **\$500K+/year**; designed the URL rewrites and header passthrough
- Led consolidation of a legacy business process orchestration platform onto shared infrastructure across 8 environments and 3 teams, retiring 3 AWS accounts and **saving ~\$20K/month** with zero downtime
- Owned a fraud claims application migration through cutover, retiring 3 legacy AWS accounts with no production defects; delegated most of the build, growing one engineer into EKS and networking
- Designed a private CloudFront VPC Origins ingress pattern that replaces public load balancers and cross-account paths; approved as an organization-wide architecture standard
- Delivered infrastructure and pipelines for the platform's first production release (business process orchestration platform, GraphQL subgraphs, 7+ environments) **1 month early**
- Consolidated the income verification service into a shared-services AWS account, retiring 3 accounts and sharply reducing PII sprawl
- Retired every Jenkins pipeline ahead of schedule for reusable GitHub Actions; made CDK pipelines with ephemeral environments the standard for GraphQL subgraphs
- Coached a junior engineer to AWS certification and **promotion to Senior**; grew weekly office hours to 4–6 engineers; gave tech talks on chaos engineering and AI-assisted operations

Lead DevOps Engineer

Jun 2023 – Dec 2024

- Took over DevOps for a troubled, high-visibility income verification launch, rebuilt trust with the project team, and shipped on schedule, reaching 100% of production volume in a month
- Led the enterprise GitHub Copilot pilot to ~120 developers through AI governance review; later automated licensing through ServiceNow
- Partnered with the platform team on compute savings plans, growing coverage from 60% to 80% as workloads expanded; now **saving ~\$20K/month**
- Interviewed and recommended DevOps hires, each a strong addition; started weekly office hours and mentored a junior engineer and a contractor

Recognition: 8 peer-nominated OneMain leadership awards (2024–2026)

Cloud Infrastructure Architect, Professional Services

- Designed and delivered production and proof-of-concept AWS solutions for federal customers, including GovCloud, Control Tower, and hybrid connectivity
- Led architecture reviews and trade-off discussions with customer stakeholders on cost, security, and risk; supported pre-sales technical Q&A
- Built reusable templates and documentation for future engagements; coached early-career consultants with AWS Learning & Development

W. L. Gore & Associates · Elkton, MD

2012 – 2022

Cloud Systems Engineer

2020 – 2022

- Primary cloud architect on a global team, delivering multi-region AWS solutions with infrastructure as code (CloudFormation, Terraform), CI/CD, and Python/Lambda automation
- Partnered with application teams to ship production services meeting security, compliance, and enterprise architecture requirements; ran recurring cloud spend reviews
- Mentored engineers and system administrators moving to cloud-native technologies

Data Center Systems Engineer

2016 – 2020

- Designed a global Windows Server patching solution with a 93% first-attempt success rate across hundreds of virtual servers

Client Computing Engineer

2015 – 2016

- Led migration to a new configuration management system supporting 12,000+ endpoints globally

IT Service Desk Analyst

2012 – 2015

SKILLS

Cloud & Edge	AWS multi-account (Organizations, Control Tower), VPC, Transit Gateway, CloudFront, VPC Origins, WAF, Lambda, EKS, RDS, DynamoDB, IAM, GovCloud
IaC & CI/CD	Terraform, AWS CDK, CloudFormation, GitHub Actions (reusable workflows), ephemeral environments, Jenkins migration, code scanning
Platforms & Tooling	Kubernetes, Docker, business process orchestration, GraphQL, Python, Bash, Ansible
Leadership	Team leadership, technical mentorship, delivery planning and risk management, technical hiring, cross-functional partnership (Security, Networking), technical talks

CERTIFICATIONS

- AWS Certified Solutions Architect – Professional (earned 2022)
- AWS Certified Security – Specialty (earned 2023)
- HashiCorp Certified Terraform Associate (earned 2023)