Thomas Wanless

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SUMMARY

Cloud engineer with 8+ years of hands-on AWS experience building and operating multi-account, multi-tenant environments for enterprise clients. Delivered 8 client projects, from 200+ server estates to lightweight serverless workloads, using reusable Terraform modules and CloudFormation. Led cost work that delivers six-figure annual savings for a client and built automation that removed manual effort across teams.

TECHNICAL SKILLS

AWS	EC2, ECS, EKS, Lambda, Step Functions, S3, VPC, IAM, RDS, CloudWatch, SNS, EventBridge, Systems Manager, Backup, Cost Explorer, Organizations, GovCloud
Networking	Transit Gateway, VPC design, Application and Network Load Balancers, VPC endpoints, route tables, security groups, WAF
Infrastructure as Code	Terraform (reusable module design), CloudFormation
CI/CD and Source Control	Jenkins, Spinnaker, GitHub, Git
Languages and Scripting	Python, PowerShell, Bash
Operations	Backup and DR, cost optimization, compliance reporting, Active Directory, Linux (RHEL), Windows

EXPERIENCE

Delivery Senior Consultant | Deloitte

Apr 2021 – Present

Previously: Senior Solution Specialist (Jun 2023 – Jun 2026) | Solution Specialist (Apr 2021 – Jun 2023)

- Delivered 8 client AWS projects, from 200+ server estates to small serverless workloads, building most environments from scratch with CloudFormation (older projects) and reusable Terraform modules (newer ones)
- Led a cost optimization initiative delivering six-figure annual savings for a client, and used Cost Explorer to identify and remove unused spend in other environments
- Designed the network for a multi-tenant, multi-account environment using Transit Gateway, and supported configuration of ALBs, NLBs, route tables, VPC endpoints, security groups, and WAF
- Implemented AWS Backup with strict retention periods across client environments
- Built Step Functions and Lambda automations that eliminated manual work for database cloning, Active Directory joins, backup and snapshot cleanup, tagging, and compliance reporting
- Developed a RHEL upgrade automation that was later adopted company-wide
- Deployed EKS and ECS clusters with Terraform, maintained golden node images on the EKS-optimized AMI, and orchestrated three EKS cluster upgrades

Senior Software Engineer | Mphasis (client project)

Jul 2020 – Apr 2021

- Built a Python and Lambda security inventory reporting system covering instances across multiple regions, with CloudWatch monitoring and SNS failure alerts
- Managed security agent deployments across 6 regional AWS accounts using Systems Manager, with code flowing from GitHub through Jenkins to each account

DevOps Engineer | Thomson Reuters

Aug 2018 – Jul 2020 (Intern: Dec 2017 – Aug 2018)

- Built and maintained AWS infrastructure with CloudFormation across environments up to production (EC2, S3, DynamoDB, IAM, Lambda, KMS, Route 53) and automated CI/CD pipelines from testing through deployment
- Set up microservice monitoring with Datadog, Uchiwa, Eureka, and Spring Boot Admin

CERTIFICATIONS

- HashiCorp Certified: Terraform Associate | 2026
- AWS Certified Solutions Architect – Associate | Earned May 2022 (expired May 2025; renewal in progress)

EDUCATION

B.S. Computer Engineering, Minor in Computer Science | University of Wisconsin – Stout | May 2020