

Tom Skelley - Curriculum Vitae

SC Cleared DevSecOps consultant with large scale Internet, AI and infrastructure experience

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Professional Certifications:



DevOps / Cloud tools:

- AWS, Azure, GCP
- Kubernetes (self managed using KOPS), Helm, Docker, EKS
- AWS Bedrock, Claude Code, Microsoft CoPilot
- Jenkins, Github Actions, Gitlab Actions, Concourse, Travis
- Bash, ZSH, PERL, Powershell, Python
- ElasticSearch, Fluentd, Prometheus, Grafana
- Chef, Puppet, Ansible
- VMWare ESXi, vSphere, HyperV, KVM, Xen Enterprise

Operating Systems:

- Linux (Red Hat Enterprise, Centos, Amazon Linux, Ubuntu, FreeBSD, others)
- Windows (3.1, 95, 98, XP, NT, 7, 8, 10, 2003, 2008, 2012, 2016, 2019, 2022)
- Legacy UNIX (AIX/Solaris/HPUX/Irix)

Hardware:

- NetApp Filers, Sun/Oracle SAN, IBM SAN, Cisco switches (IOS/TCPIP), Cisco ASA firewalls, Bluecoat Proxy, IBM P-series, Sun SPARC, Brocade Fibre Switches, Infoblox

Scripting:

- Python, Shell scripting (ksh, bash), Puppet, Chef, Ansible, Powershell, Groovy, Terraform, PERL

Databases:

- RDS, Aurora, MySQL, MariaDB, Postgres, DynamoDB, Oracle

Other:

- Kubernetes Certified Administrator
- Kubernetes Certified Security Specialist
- AWS Certified Solutions Architect
- AWS Certified Developer
- AWS Certified SysOps Administrator
- AWS Certified Security Specialty
- AWS Certified AI Practitioner
- Hashicorp Certified Terraform Associate
- Customer management
- Vendor management
- Infrastructure design
- Security design
- Familiarity with world class data centre standards
- **SC level government security clearance**

Work History

February 2026 to Date – Adaptive Financial Consulting - Contract

Position: Senior Consulting SRE

Developed a platform for prediction market trading - initially for the 2026 Football World Cup from a standing start in February to go live in June.

- Providing SRE consultancy for one of Adaptive's prediction market clients.
- Development and deployment of CI (GitHub Actions) and CD (Buildkite) pipelines
- Rapid prototyping with AI tooling (Glean/Claude/Co-pilot)
- Integration with customer's AWS/EKS platform
- Performance tuning and monitoring
- Developer support
- Customer management

Technical skill set used in this contract:

Terraform, EKS, AWS, Helm/Helmfile, Python, Datadog, Github Actions, Buildkite, AI tooling

October 2023 to February 2026 – Department of Work and Pensions - Contract

Position: Senior DevSecOps Consultant

Providing DevOps and operational consultancy for the team managing DWP's Retirement, Bereavement and Care platform.

- Acted as primary infrastructure consultant and platform focal point for Carer's Allowance and Support platform.
- Acted as primary infrastructure consultant for external penetration test team.
- Lead for migration from RHEL 7 to RHEL 8 across whole estate.
- Maintaining and supporting infrastructure as code for a very large and complex environment.
- Developed an automated AWS docker platform for developers to simulate full stack deployments.
- Developer support.
- Operational support across all 25 deployed production applications.

Technical skill set used in this contract:

Terraform, Puppet, Ansible, AWS IAM, AWS ECS, AWS EC2, Jenkins, Gitlab Actions, RedHat Enterprise Linux, Packer, Docker, AWS R53.

July 2022 to October 2023 - Adaptive Consulting - Contract

Position: SRE

Providing DevOps consultancy for one of Adaptive's FinTech clients, ADSS, on a low latency stock, forex and cryptocurrency trading platform. I was specifically responsible for:

- Development and maintenance of a very complex Terraform code base incorporating multiple states, accounts, and custom modules
- Development and maintenance of Jenkins pipelines
- AWS consultancy
- Security consultancy
- Coordinating production software releases with partners and customer staff

Skill set used in this contract:

AWS Lambda, AWS IAM, AWS Cognito, AWS EKS, AWS EC2, Jenkins, AWS CloudFront, AWS S3, Terraform, Git, Docker, Packer, Amazon Linux

February 2022 to July 2022 – WeShape/Thoughtworks - Contract

Position: DevOps Consultant

Providing DevOps consultancy and systems design for one of Thoughtworks' Government clients, the UK Security Vetting agency, on a secure portal.

Skill set used in this contract:

AWS Lambda, AWS IAM, AWS Cognito, AWS CloudFront, AWS S3, Github Actions, Terraform, Git

November 2021 to February 2022 – Contino - Contract

Position: Principal Consultant

Responsible for design and deployment of AWS landing zones into two of Contino's clients, a bank and an insurance company.

Skill set used in this contract:

AWS, Kubernetes, Terraform, AWS CodeCommit, AWS CodePipeline, Packer, Powershell, Windows 2019

June 2020 to November 2021 – Ministry of Justice - Contract

Position: DevOps and Digital Transformation Consultant

Responsible for supporting, maintaining and enhancing the MoJ's big data analytical platform. The legacy version of the platform is based around Kubernetes, hosted in AWS, and built using Terraform and KOPS. CI/CD is managed using Concourse, and applications, including Jupyter, and RStudio are deployed using Helm. My current role involves the migration of the platform to EKS and the CI/CD pipeline from Concourse to GitHub actions runners.

In addition to work on the main platform I was responsible for:

- Upgrading the ElasticStack instance from 6.3 to 7.8, and streamlining to implementing cost savings of more than \$10k per month.
- Primary contact with the security audit/penetration team,
- Providing consultancy on connecting the analytical platform to wider government systems for data sharing.
- Proof of concept work into other areas including AWS Transcribe.

Skill set used in this contract:

AWS, Kubernetes, Helm, Terraform, Concourse, Docker, Git, ElasticSearch, FluentD, FluentBit, FileBeats, KOPS, EKS, Azure, GitOps, GitHub Actions

July 2018 to May 2020 – ITV – Contract

Position: DevOps and Digital Transformation Consultant

Responsible for supporting, maintaining and enhancing the migration of ITV's Talent (front of camera) Payment platform (initially written in the 1980s and running on a virtualized mainframe) to JAVA microservices running in AWS, consisting of eight development environments and one production environment.

I was also responsible for managing the platform on a day to day basis, including managing the monitoring (sensu/uchiwa) and logging (ELK).

The platform was built out using Terraform and Puppet, using Jenkins for CI/CD.

I also managed the migration of the application from Java 8 to Java 11, running both concurrently for testing and tooling.

Skill set used in this contract:

AWS, Terraform, Jenkins, Docker, Puppet, Git, Ubuntu, Redhat, Alpine Linux, Kubernetes

October 2017 to July 2018 – Government Digital Services – Contract

Position: DevOps and Digital Transformation Consultant

Development and deployment of a pan-European identity management system, including three distinct pieces of work:

- The evaluation and prototype implementation of a new continuous integration pipeline, initially using Travis (Enterprise and hosted), and then production implementation of a Jenkins solution (based in AWS).
- Migration of various environments from within a hosted VMWare environment into AWS, utilizing Puppet, Ansible, and Terraform.
- The deployment of a foreign country's middleware product into a green field AWS environment.

Skill set used in this contract:

AWS, Terraform, Jenkins, Docker, Puppet, Ansible, Travis, VMWare, Git, Ubuntu, Amazon Linux

Previous work history (more information available on request):

Date	Company	Role
Apr 2017 - Oct 2017	FrontFive / InsightSoftware (contract)	Senior DevOps Consultant
Jan 2017 - Apr 2017	WTG / Civica (contract)	Principal Senior Systems Engineer
Jan 2016 - Feb 2018	Shepherd Networks (contract)	DevOps / Systems Consultant
Sept 2016 – Dec 2016	eSure Insurance (contract)	DevOps Consultant
Nov 2015- Aug 2016	IBM (contract)	Technical Architect / Consultant
Jun 2015 - Nov 2015	CGI (contract)	Infrastructure Technical Architect / Consultant
Jan 2014 - May 2015	IBM (contract)	Technical Architect
Dec 2012 – Jan 2014	BT (contract)	Technical Architect
Feb 2011 – Dec 2012	IBM (contract)	Technical Architect
Jan 2010 – Feb 2011	Betfair (contract)	DevOps and Data Centre Migration Consultant
Sep 2009 – Jan 2010	Serco (contract)	IBM pSeries Architect
Oct 2007 – Sep 2009	Logica CMG (contract)	Infrastructure Architect / Environment Manager
Jan 2007 - Oct 2007	Fujitsu (contract)	Infrastructure Architect
Jul 2006 – Jan 2007	IBM (contract)	Developer / Systems Admin
Sep 2005 – Jul 2006	Cable & Wireless (contract)	LDAP / UNIX Consultant
Oct 2001 – Mar 2004	Yahoo!	European Systems Admin Manager
Jan 2001 – Sep 2001	Airflash Wireless	Operations and Support Engineer
Jan 1999 – Jan 2001	Netscape Communications	Northern European Technical Support Manager
Aug 1997 – Jan 1999	IBM	Value Added Network Specialist

Education History

BSc Hons. Computer Science and Software Engineering, University of Birmingham (2i)

Travel

After working for Yahoo for two and a half years, I decided that I would like to take a career break. I chose to travel, experiencing a wide variety of cultures and places. Between March 2004 and July 2005 I visited much of the world, including Africa, Asia (including China), Australia, New Zealand, South and North America.

Triathlon

I am a keen triathlete, and have competed at most distances, including the iron distance 'Outlaw' race in Nottingham, and the Ironman European (Frankfurt) and Asia Pacific (Melbourne) championships. I have recently completed the Race to the Stones 100k ultramarathon.