## David Wells

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## **Personal Statement**

I am an experienced DevOps engineer with an enthusiastic interest in cloud technologies and automation. Able to demonstrate an in-depth technical knowledge of Amazon Web Services, with a proven track record of delivering operational, secure, reliable, efficient and cost optimized platforms

## **Technical Skills**

DevOps, EC2, VPC, IAM, KMS, S3, Athena, Redshift, EMR, Kinesis, DynamoDB, RDS, ECS, ECR, EKS, Lambda, SSM, Terraform, Vault, Consul, Packer, Vagrant, Kubernetes, Helm, Prometheus, Docker, Linux, Jenkins, CI/CD, Automation, Ansible, Python, Splunk, Cloud Custodian, Agile, Jira, Confluence

I have contributed to the Terraform AWS provider and am a publisher on the Terraform Module Registry

GitHub Profile: david-wells-1

## **AWS Certifications**

AWS DevOps Engineer – Professional

AWS SysOps Administrator – Associate

AWS Developer – Associate

## **Client History**

Aviva – Lead DevOps Engineer

* Global deployment of management platform using CI/CD, Jenkins and Terraform
* Design, deployment and management of an Kubernetes EKS platform
* Implementation of a Production Vault solution with AWS dynamic secrets, HA and auto-unseal

Hotels.com – AWS DevOps Engineer (Nov 18 – Sept 19)

* Working within the Data Operations team, providing tooling for multiple Data Analytics teams
* Terraform used for the provisioning of all resources
* Design and deployment of an AWS Transfer for SFTP solution
* Implementation of Jenkins pipelines for CI/CD automation
* Use of Cloud Custodian to meet security, compliance and cost management requirements
* Responsible for securing EMR as per AWS best practice

Pearson – AWS DevOps Engineer (Sept 18 – Nov 18)

* Part of an Agile project tasked with the delivery of a secure AWS hosted global environment
* Implementation of automated key business critical web based AEM and Hybris platforms
* Immutable architecture design with a focus on security, reliability and repeatability
* Provisioning of Kubernetes clusters on GCP

Aviva – AWS DevOps Engineer (Feb 18 – Aug 18)

* Member of an Agile team responsible for provisioning and managing a global AWS platform
* Terraform used for the provisioning of all resources
* Jenkins used for Ci/CD; DSL pipeline implementation with Docker containers as build agents
* Use on Ansible for automation and configuration

Sony PlayStation – AWS DevOps Engineer (Oct 17 – Jan 18)

* Working within the Business Intelligence department
* Responsible for the provisioning of a core platform hosted in AWS
* Focusing on Security, Global Network, Immutable Architecture, CI/CD and Data
* Provisioning of tooling for Data Scientists, s3 Data Lake, Kinesis, Batch, Athena and Redshift

HSBC – AWS Lead DevOps Engineer (April 17 – Sept 17)

* Lead DevOps engineer working on a $250m global data transformation project
* Migration of data into an AWS hosted Data Lake utilizing AWS S3, Redshift, EMR
* Responsible for building a highly available platform deployed across multiple AWS regions
* Terraform used for the provisioning of all resources
* Design and implementation of a CI/CD deployment for an AMI automation pipeline
* Implementation of delegated IAM Cross-Account access (SAML)
* Define IAM roles and permissions for operational support teams and EC2 instances
* AWS SSM estate management to meet corporate security requirements
* Ensure all infrastructure met data security standards, including logging, monitoring and alerting
* Implementation of VPC peering and Integration of Route53 with corporate DNS

Ticketmaster – AWS DevOps Engineer (Oct 16 – March 17)

* Member of an Agile project team, tasked with the migration of apps into AWS from On-Premise
* Use of Terraform to implement a standardized, modular Infrastructure as Code
* Implementation of AMI automation, proxy, bastion, DNS, logging and monitoring services
* Use of Cloud Custodian to meet security, compliance and cost management requirements
* Successful demonstration of a PoC for running .Net applications on Elastic Beanstalk using Docker
* Integration of IAM roles with Okta to provide SSO to AWS

Informa PLC – AWS DevOps Engineer (July 16 – Oct 16)

* Implementation of Hashicorp Vault to deliver a dynamic AWS secrets management platform
* Terraform used for the provisioning of all resources
* Configuration of Hashicorp Consul to provide a highly available storage backend
* Integration with corporate Active Directory as an Authentication backend
* AWS services configured to provide audit trail, compliance, monitoring and alerting

Crowdmix Ltd – AWS DevOps Engineer (Jan 16 – July 16)

* A rapidly growing ‘cloud first’ start-up utilizing Agile Development for its social music platform
* Create Terraform scripts and modules to define multiple environments as infrastructure as code
* Windows EC2 instance standardisation using Packer, PowerShell DSC and AWS CodeDeploy
* Implementation of a Lambda functions to deliver cost optimization
* Integration of IAM roles with OneLogin to provide SSO to AWS resources
* Responsible for improving the security of the corporate AWS infrastructure

I have worked in IT for an additional 10+ years – designing, implementing, migrating and supporting enterprise solutions; including Microsoft Server 2008-2012, Active Directory, IIS, Group Policy, ADFS, SSO, Microsoft Exchange 2003-2013, and SQL Server.

I have previously held HMG DV Security Clearance for 10+ years

Public Sector clients include:

* The Foreign and Commonwealth Office
* The Ministry of Defence
* The Department for Culture, Media and Sport
* The National Archives
* HMS Warrior – PJHQ Northwood