Jamie Wood

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Personal Profile

Energetic and proactive individual with a passion for containerisation, automation, configuration management and DevOps methodology. As a fast learner with excellent problem-solving abilities, I am more than willing to take on any opportunity that is passed my way and can demonstrate responsibility for my own work.

Experience

Immersive Gamebox
London, United Kingdom - Remote

DevOps Consultant - Contract — *Sept. 2022 -*

- Engineered an automated deployment ecosystem using **Terraform, Ansible, Packer, and Jenkins** for Immersive Gamebox's central AWS systems and expanding on-premise hardware across multiple venues. This scalable solution played a pivotal role in enabling rapid expansion while maintaining impeccable infrastructure consistency
- Built a sophisticated multi-transit gateway private network, optimized for low-latency communication among Immersive Gamebox's international venues. Leveraging Terraform, this dynamic network architecture facilitates the seamless addition of new venues
- Successfully orchestrated the migration of all applications from Elastic Beanstalk to **AWS ECS**, bolstering reliability and scalability. Implemented comprehensive CI/CD pipelines through GitHub Actions, streamlining the deployment process and ensuring consistent, efficient releases
- Provided strategic technical consultancy directly to the CTO, offering insights and guidance that contributed to informed decision-making. Recognized as a point of escalation for complex technical issues, demonstrating your expertise as a dependable problem solver and enhancing operational effectiveness

MeetMyna
London, United Kingdom - Remote

Software Developer and AWS Consultant - Contract — *Jun. 2022 - Sept. 2022*

- Pioneered the development of an innovative **Cloud Native SaaS** offering for MeetMyna's products as the sole engineer on the project. Seamlessly integrated existing voice technology using **React (TypeScript)**, **AWS Lambda (TypeScript)**, **AWS DynamoDB**, AWS API Gateway, and AWS Cognito, amplifying the company's capabilities in the small/medium buiness sector
- Leveraged the power of the **Serverless Framework** to architect and build a robust and scalable solution
- Demonstrated expertise in third-party API integration by seamlessly linking the solution with key platforms including Zoom, Stripe, Dropbox, and Microsoft Teams

Experity
Chicago, United States - Remote

Senior DevOps Engineer & Consultant - Contract — *May. 2020 - May. 2022*

- Orchestrated the successful transition of Experity's infrastructure to **AWS** from on premise VMWare, delivering expert consultancy on multi-account management, network optimization, and streamlined application deployment, optimising operational efficiency within the healthcare sector.
- Architected and managed **EKS** clusters utilising **Terraform** across multiple-regions, overseeing the comprehensive configuration of applications, operators, and controllers
- Spearheaded a cross-functional team in the containerization of a substantial legacy Ruby on Rails application, comprising over 300 EC2 instances. Utilized **Kubernetes**, **Helm**, and **Flux** to ensure seamless deployment, resulting in enhanced scalability and performance for critical services.
- Collaborated within an engineering cohort to migrate on-premise Kubernetes clusters out of support to the latest versions utilizing KubeSpray, ensuring ongoing security, stability, and compliance

Dyson
Bristol, United Kingdom

DevOps Lead Engineer - Digital Cloud — *Nov. 2018 - April. 2020*

- Lead Engineer for the Digital Cloud Infrastructure Team tasked to architect and implement cloud infrastructure with a strong focus on **Infrastructure as Code** with **Terraform** and **Ansible** primarily in **AWS** and **Azure** for over 30 accounts and 20 applications
- Created a private Terraform Data Source to get AWS Active Directory properties in **Go**
- Designed and implemented a common framework for **Docker** services in **AWS ECS/Fargate**
- Increased the velocity of application deployment by building **CI/CD** pipelines allowing developers and QA to run short-lived environments based on **Git** features branches
- Decreased deployment time by removing manual steps and reliance on an individual's knowledge with **Team City**, **Octopus** and **Jenkins**
- Lead initiative on a multi account strategy allowing for the automated network provisioning of hundreds of AWS accounts using **Direct Connect** and **Transit Gateway**
- Built an application with **Node.js** allowing for global markets to create their own SEO redirects in **Akamai** for marketing promotions
- Reduced AWS costs by implementing scaling patterns based on traffic and workload, rightsizing instances and ensuring that resources are cleaned up properly by decommissioning tooling
- Operated in bi-weekly sprints, participating in an array of agile ceremonies (**Jira and Confluence**)

Eloquent Technologies
Taunton, United Kingdom

DEVOPS & ENGINEERING TEAM LEADER
Oct. 2016 - Nov. 2018

- Ensured uptime of cloud services through network upgrades, maintaining and supporting multi-DC VMWare platforms and managing Linux and Windows servers. (Hands-on and **Puppet**)
- Designed and implemented Laravel based API backends with **Vue.js** based frontends for a variety of software development projects. Deployed with bespoke **CI/CD pipelines in Docker**
- Automated **Cisco** networking devices (NXOS/IOS) for layer 2 and layer 3 configurations including **BGP and MPLS**
- Acted as the primary escalation point for 1st/2nd line teams, responsible for the support and sometimes provisioning of customers IT infrastructures
- Built relationships with a mixed customer base all with their own unique requirements and levels of technical awareness from PLC's to one-man-bands

A.H Warren Trust Ltd
Crewkerne, United Kingdom

SYSTEM ADMINISTRATOR
Jul. 2014 - Sept. 2016

- Sole System Administrator for 40 person organisation
- Automated monotonous day to day administration tasks with **Powershell**
- Replaced an ageing physical server infrastructure with a hybrid one using on-premise resource (**VMWare, Hyper-V**) and cloud resource (**Azure**) for a mixture of **Linux and Windows** applications
- Increased efficiency by creating RESTful API's (**Node.JS**) to automate labour intensive tasks and display key performance metrics to directors
- Enforced consistent state on networking devices using configuration management tools (**Ansible**)
- Maintained and supported a Microsoft Dynamics AX 2012 ERP platform

CFB Solutions Ltd
Crewkerne, United Kingdom

SOFTWARE AND SUPPORT ENGINEER
Feb. 2013 - Jul. 2014

- Team leader for a small team responsible for delivering managed services to customers within Windows Server and Desktop environments
- Accommodated the core network for a wireless internet service provider offering network 50+ residential and commercial properties
- Developed a bespoke help desk system using C# and **JavaScript** frameworks

Affiliations

Toptal
Remote

DEVOPS CONSULTANT
2019 - Present

Toptal is an global exclusive network of top freelance professionals hiring only the top 3% of talnet that applies.

Education

The Open University
Milton Keynes, United Kingdom

BSC IN COMPUTER SCIENCE
Sept. 2016 - Present

In September 2016 I started studying with The Open University in my own time. My main inspiration for doing this was to continue development of my technical skills driven by my interest in computer science, as well as to complete a personal goal of gaining a degree. I've found the course very enjoyable so far and am maintaining a very high standard of work. It has also proven to be a good social exercise with regular meet-ups between fellow students to discuss the content and the course and Computer Science in general.

Certification

Amazon Web Services

PROFESSIONAL
March 2022

- AWS DevOps Engineer - Professional

Amazon Web Services

ASSOCIATE
November 2021

- AWS SysOps Administrator Associate
- AWS Developer Associate

Extracurricular Activity

FITNESS AND SPORTS

- Tough Mudder Finisher
- Category 4 Bike Racer
- Coast 2 Coast Finisher (150 mile cycle)

VOLUNTEERING

- Puppy Rasier for Guide Dogs UK

- Regular attender of Bristol DevOps Meetups