Jamie Wood

DEVOPS ENGINEER

Taunton, United Kingdom

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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   *Jan. 2021 - Feb. 2023*

- Automated the deployment of Immersive Gamebox's central systems in **AWS** as well as their per-venue on-premise hardware as they rapidly expand using **Terraform**, **Ansible**, **Packer** and **Jenkins**
- Built a sophisticated multi-transit gateway private network that allowed for high-speed, low-latency communication between Immersive Gamebox international venues, automated with **Terraform** as new venues are added
- Migrated all applications away from Elastic Beanstalk onto **AWS ECS** with complete **CI/CD** pipelines using **GitHub Actions**
- Offered general technical consultancy directly to the CTO and acted as a point of escalation for any technical issues

Experity
Chicago, United States - Remote

SENIOR DEVOPS ENGINEER & CONSULTANT - CONTRACT   *May. 2020 - May. 2022*

- Offered consultancy and engineering on Experity's move to **AWS** including multi-account management, network management, and application deployment.
- Led a team to containerise a large (300+ EC2 instances) legacy, **Ruby on Rails** application using **Kubernetes**, **Helm** and **Flux**
- Worked within a team of engineers migrating out of support on-premise **Kubernetes** clusters to the latest versions using **KubeSpray**
- Setup, configured and maintained **EKS** clusters using **Terraform** including applications, operators and controllers

Vybera Wallet
Netherlands, Remote

PRINCIPLE DEVOPS ENGINEER - CONTRACT   *Aug. 2021 - Dec. 2021*

- Working with TopTal, myself and a team of 10 contractors were bought together to build a non-custodial **cryptocurrency** wallet
- Bootstraped **React**, **React Native** and **Electron** projects before any developers started working on the project such that they could get started from day one
- Used **GitHub Actions** to build, text and deployments pipelines for Windows, Linux, MacOS, Android and iOS
- Helped to implement the Ethereum blockchain using **Web3.js** and **Ethers.js** to interact with the blockchain

MeetMyna
London, United Kingdom - Remote

SOFTWARE DEVELOPER AND AWS CONSULTANT - CONTRACT   *Jun. 2020 - Sept. 2022*

- Sole engineer, leveraging MeetMyna's existing voice technology by creating a new **Cloud Native** SaaS offering for their products using **React (TypeScript)**, **AWS Lambda (TypeScript)**, **AWS DynamoDB**, **AWS API Gateway** and **AWS Cognito**
- Made extensive use of the **Serverless Framework**
- Integrated the solution with many third-party APIs such as **Zoom**, **Stripe**, **Dropbox** and **Microsoft Teams**

Canopy Servicing
Haiwaii, United States - Remote

DEVOPS CONSULTANT - CONTRACT   *Jan. 2020 - Sept. 2020*

- Hired as the first engineering employee to help the founders architect their application and build their AWS estate
- Dramatically increased the speed of development by introducing the **serverless.com** framework enabling the application to be put in front of potential customers and VC's more quickly
- Built a scalable proof of concept for calculating interest rates using **AWS Step Functions** with **TypeScript** and **Postgres**

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

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)

MEETUPS
- Regular attender of Bristol DevOps Meetups