

# Jamie Wood

DEVOPS ENGINEER

Taunton, United Kingdom

✉ me@jamiewood.io | 🌐 https://woodj.me | 📷 woodjme | 🌐 woodjme

## 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

SENIOR DEVOPS ENGINEER & CONSULTANT - CONTRACT

Jan. 2021 - Sept. 2022

- My primary role is to automate the deployment of Immersive Gamebox's central systems in AWS and their in-person venues as they very rapidly expand
- Built a complex 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**

### 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

### MeetMyna

London, United Kingdom - Remote

SOFTWARE DEVELOPER AND AWS CONSULTANT - CONTRACT

Jun. 2020 - Sept. 2022

- Sole engineering on 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

Hawaii, United States - Remote

DEVOPS CONSULTANT - CONTRACT

Jan. 2020 - Sept. 2020

- Hired as the first engineering employee to help the founders architect 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**.

### 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 20% 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 talent 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

### AWS

AMAZON WEB SERVICES DEVOPS ENGINEER - PROFESSIONAL

March 2020

### AWS

AMAZON WEB SERVICES SYSOPS ADMINISTRATOR - ASSOCIATE

March 2020

### VMWare

VMWARE TECHNICAL SOLUTIONS PROVIDER (VTSP)

July 2017

## Extracurricular Activity

PROJECTS

- Tailwind App - a web app built with React hosted with Google Firebase
- Tailwind API - an AdonisJs based API for the app, fronted by **CloudFlare** and deployed with **GitlabCI** on **Kubernetes** in **Google Cloud Platform**

#### FITNESS AND SPORTS

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

#### MEETUPS

- Regular attendee of Bristol DevOps Meetups