

# James BALDWIN

## DevOps Lead | Cloud Engineer

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Highly motivated Cloud Engineer with over 4 years of hands-on experience architecting production workloads on AWS & Azure, along with Kubernetes buildouts, working across top-tier financial and energy institutions throughout London.

## PROFESSIONAL EXPERIENCE

**Ruffer LLP**  
Jul '19 - Present

### DevOps Lead, CHIEF DEVELOPMENT OFFICE

DevOps Lead at a boutique asset management firm, reporting to Technology Director and responsible for two engineers. Primarily engaged with building a new Azure Hybrid Cloud environment, as well as driving DevOps practises across the company.

- › Kubernetes Environment (AKS) Build Out
  - › Configuration as code (RBAC, ingress, coreDNS, kured etc)
  - › Containerisation and migration of existing .NET microservices to Kubernetes
  - › Deployment & management of JupyterHub
  - › Deployment of containerised Azure Functions to AKS, KEDA + Prometheus
- › Azure Hybrid Cloud Build Out
  - › IaaS automation with Terraform, governance process built with Azure DevOps.
  - › FortiGate virtual firewall deployment and configuration
  - › Barracuda CloudGen Web Application Firewall (WAF) deployment and configuration
  - › Microsoft Intune MAM + Azure App Proxy POC
- › SDLC Tooling Build Out
  - › Azure DevOps container build pipelines with helm, zero-downtime deployments
  - › Artifactory on-prem to Cloud Migration
  - › SonarCloud rollout to existing build pipelines
- › Legacy Environment Management
  - › Ansible automation of on-prem Ubuntu/docker compose environment
  - › Build environment (TeamCity + Octopus Deploy) migration from Win2008 to Win2016
- › AZ300 & AZ301 Training (exams pending)


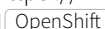

       

**BP**  
Oct '18 - Jul '19

### DevOps Engineer, CONTAINER PLATFORM ENGINEERING

Automation engineer focused on delivery and SRE for BP's PaaS platform, built using Red Hat OpenShift (Kubernetes/Docker) on top of Amazon Web Services. Contract position in BP's Integrated Supply & Trading division, 1 renewal.

- › Supporting production trading workloads; over 4000 containers with 4 customer platforms and multiple regions
- › Provisioning and automation with Ansible (Tower/AWX)
- › Systems management with Red Hat Satellite
- › AMI build management through Packer
- › Automated the deployment and configuration of a High-Availability Red Hat Quay Container Registry setup
- › Created a cloud cost analysis operational tool with CloudAbility (.NET Core/Telerik UI)
- › Red Hat customer success story and 2019 Innovation Award winner  
<https://www.redhat.com/en/success-stories/bp>

Goldman Sachs  
Jul '16 - Oct '18

#### Technical Analyst, CLOUD PLATFORMS

Development of a cloud orchestration platform to facilitate secure, provider-agnostic cloud compute & IaaS services for the firm across AWS & GCP, integrating existing internal clouds and proprietary technologies. Migration of the platform from monolith to microservice design, and enabling PaaS adoption within the firm.

- Backend Java 8 (Spring Boot) & C# (Orleans) development, RESTful architecture, NoSQL (MongoDB), AWS/GCP API's
- Microservice design & implementation (Spring Boot + Netflix stack) Twelve-factor app model development.
- Integrated automated post-deployment testing into our deployment pipelines and brought numerous products up to mandated test levels
- Owned multiple development projects, managing their full SDLC from design to implementation
- Integrated a virtual HSM product within our security stack to replace legacy physical HSM's used for BYOK in the cloud, resulting in significant cost savings
- Successful 2016 graduate rehire after 15 month internship

Java 8 Springboot .NET/C# Microservices AWS

## EDUCATION & INDUSTRY QUALIFICATIONS

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2012-2016 BSc Software Engineering (Hons), Bournemouth University : *First*

## REFERENCES

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### Martin Lee

Senior Software Engineer, RUFFER LLP

 Available on request


### Brian Thomson

Technology Fellow, GOLDMAN SACHS

 Available on request

### Mick Mason

PaaS Engineer, BP

 Available on request