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)

`Azure` `Kubernetes` `Containers` `Linux` `Azure DevOps` `Ansible` `Docker` `Helm`

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

`AWS` `OpenShift` `Kubernetes` `Containers` `RHEL` `Jenkins` `Satellite` `Ansible` `Ansible Tower`

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

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

66 REFERENCES

Martin Lee	Brian Thomson	Mick Mason
Senior Software Engineer, Ruffer LLP	*Technology Fellow*, Goldman Sachs	*PaaS Engineer*, BP
📞 Available on request	📞 Available on request	📞 Available on request