

# JON BAMBER

## DevOps Engineer

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in jonbamber

🔗 jonbamber

📍 Cardiff, UK

### SUMMARY

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I am a skilled DevOps Engineer based in Cardiff, specialising in designing and building Cloud solutions on Azure and AWS.

With extensive experience in Infrastructure as Code (IaC) and Continuous Integration & Continuous Delivery (CI/CD) pipelines, I use leading DevOps tools and languages to build robust delivery workflows.

A strong advocate for Agile collaboration, I thrive in dynamic team environments.

Leveraging a strong background in Mathematics, Statistics, and Informatics, I am passionate about Artificial Intelligence and Machine Learning (AI/ML) and aspire to advance into MLOps roles, combining my DevOps expertise with cutting-edge AI technologies.

### EXPERIENCE

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#### DevOps Engineer

##### Mobilise Cloud

📅 Jul 2022 – present

- Worked as a member of Agile multi-functional teams (both in-house and embedded in client teams)
- Authored and reviewed technical designs and proposals
- Configured Cloud resources via Infrastructure as Code on Azure and AWS, from the level of single VM/container instances to full landing zones
- Designed and implemented pipelines for infrastructure deployment, app build/release, automated testing, etc.
- Created and maintained custom virtual machine images
- Developed and deployed serverless functions
- Implemented monitoring and alerting solutions
- Automated application/package lifecycle management and artifact feeds
- Troubleshooted and resolved Cloud/DevOps issues
- Mentored junior team members

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#### DevOps Engineer

##### QA Consulting

📅 Oct 2018 – Jun 2022

- Worked as an integral part of a small Agile team
- Used Terraform to manage AWS infrastructure
- Maintained RHEL-based Data Science applications hosted in AWS, backed by data in S3 and RDS
- Created virtual machine images using Packer and Ansible
- Collaborated with Data Science colleagues to support model development
- Developed and maintained Jenkins pipelines for deployment and testing of Cloud infrastructure
- Implemented monitoring and alerting systems
- Analysed and reviewed technical infrastructure designs

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#### Sessional Lecturer in Applied Statistics

##### University of Worcester

📅 Aug 2017 – Sep 2018

- Available for giving lectures on specialised statistical methods

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#### Researcher in Computational Neuroscience

##### University of Edinburgh

📅 Jan 2013 – Jul 2017

- Iteratively generated and tested scientific hypotheses
- Wrote and applied bespoke statistical and information theoretic data analysis scripts/tools
- Developed computational models to test hypotheses and explain experimentally observed phenomena
- Reported findings in documents, presentations, papers, etc.

## CERTIFICATIONS

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### Azure

- Microsoft Certified: DevOps Engineer Expert
- Microsoft Certified: Azure Solutions Architect Expert
- Microsoft Certified: Azure Administrator Associate
- Microsoft Certified: Azure Data Fundamentals
- Microsoft Certified: Azure Fundamentals

### AWS

- AWS Certified Solutions Architect - Associate
- AWS Certified SysOps Administrator - Associate
- AWS Certified Developer - Associate
- AWS Certified Cloud Practitioner

### Tooling

- Hashicorp Certified: Terraform Associate

### Security

- CompTIA Security+
- EC-Council Certified Ethical Hacker
- EC-Council Certified Threat Intelligence Analyst
- NIST Cybersecurity Framework Professional Practitioner
- Microsoft Certified: Security, Compliance, and Identity Fundamentals

### Artificial Intelligence & Machine Learning

- Microsoft Certified: Azure AI Engineer Associate
- Microsoft Certified: Azure AI Fundamentals
- DeepLearning.AI: Machine Learning
- DeepLearning.AI: Deep Learning Specialization

## EDUCATION

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MSc Cloud Computing (*in progress*)

Munster Technological University

MRes Neuroinformatics

University of Edinburgh

MSc Computational Science

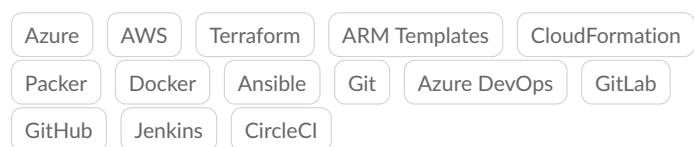
University of Manchester

BSc Mathematics

University of Manchester

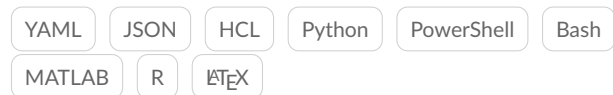
## DEVOPS TOOLS

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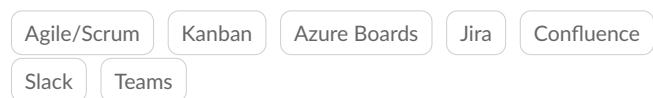
## LANGUAGES

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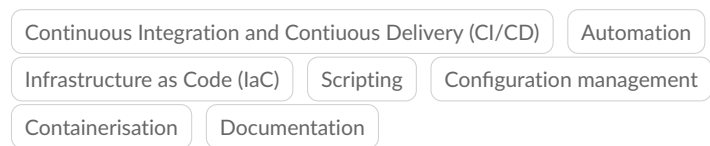
## PROJECT MANAGEMENT

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## HARD SKILLS

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## SOFT SKILLS

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