

OSCAR POCKOCK

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PROFILE

Self-motivated Cloud Engineer with nearly 4 years of industry experience specialising in designing, implementing, and optimising cloud infrastructure solutions. Known for a proactive approach to continuous learning, actively engaging in self-hosting projects, and deploying infrastructure outside of work to explore and master the latest technologies. Ready to apply versatile skills and initiatives.

SKILLS

Technologies: Azure, AWS, Terraform, Ansible, Docker, Git, Apache, Nginx, Caddy, Grafana, Prometheus, KVM, Datadog, Azure DevOps, GitHub Actions, Snyk

Industry Skills: Infrastructure as Code, System Administration, Cost Optimisation, Containerisation, Automation, Networking, DevOps, Agile Methodologies

Operating Systems:

*nix: Ubuntu, SLES, RHEL, Debian, Fedora, Proxmox VE, Arch, OPNsense

Windows: Windows Server 2019, Windows Server 2016, Windows 11, Windows 10

LANGUAGES

🗣 Natural	English (Native), French (Fluent)
</> Computer	Intermediate in the following:
	Programming Languages: Python, Go, Java, Javascript
	Markup Languages: XML, HTML + CSS, \LaTeX
	Scripting Languages: Bash, PowerShell
	Querying Languages: SQL (PostgreSQL, MariaDB/MySQL), KQL, XQuery

WORK EXPERIENCE

🏢 **Cloud Engineer** at NTT DATA UK&I, 📍 London, UK Aug 2022–Present

- Lent my expertise to assist an adjacent team in building a second generation product for a multi-billion pound client, leveraging *AWS*, *kubernetes*, and *kafka*.
- Successfully lead a team of engineers through a transition to management of a critical & multi-environment AWS estate within a few weeks for a multi-billion pound client.
- Played a pivotal role in designing and implementing an *AWS landing zone* product using *Terraform* and *Azure DevOps Pipelines*, contributing code to the *AWS Terraform provider*, enhancing its features, and actively contributing to community-driven development efforts.
- Slashed infrastructure deployment time by 50% by overhauling *DevOps pipelines* and implementing *GitOps* workflows.
- Designed seamless cloud migration strategies, ensuring minimal disruption and modernising applications and services by leveraging cloud native technologies.
- Overhauled internal cloud estates by implementing vital observability monitoring and reporting and creating a managed deployment workflow for developers backed by *Terraform* and *DevOps pipelines*.
- Collaborated within *agile* frameworks to provide service improvements while managing a large *Azure* cloud estate comprising of over 5000+ resource across multiple environments, ensuring increased stability, scalability, security, and observability.
- Designed and ran a company hackathon while acting as the cloud engineer expert within the team.
- A member of the company's LGBTQ Network, actively working to make the company a more inclusive and welcome work environment for all.

🏢 **Cloud Engineer** at NTT DATA UK&I, 📍 Birmingham, UK Oct 2020–Aug 2021

- Delivered high/low-level infrastructure architecture diagrams and implemented them using IaC via *Terraform*
- Generated £1000s in monthly savings and provided vital cloud estate insights for one of the UK's top 5 *Azure* consumers by creating client-tailored automation runbook scripts.
- Spearheaded meetings discussing inherent security flaws with a client's project proposal, halting the deployment of insecure solutions.
- Streamlined server enrolments by automating the processes using *Azure DevOps* CI/CD pipelines and *Ansible*
- Led numerous greenfield projects as the lead cloud engineer and occasionally aided in architectural design, often delivering far ahead of deadlines.

CERTIFICATIONS

🌟 HashiCorp Certified: Terraform Associate 003 , Hashicorp	Exp. Mar 2027
🌟 AWS Certified Cloud Practitioner , Amazon Web Services	Exp. Nov 2025
🌟 Microsoft Certified: Azure Administrator Associate , Microsoft	Exp. Sep 2025
🌟 Microsoft Certified: DevOps Engineer Expert , Microsoft	Exp. May 2026
🌟 Microsoft Certified: Azure Fundamentals , Microsoft	No Expiry Date

PROJECTS

Highlighted projects shown below. Full list of projects available at oscar.blue/git

Homelab

Sep 2019–Present

My homelab serves many functions - mostly hosting useful services at home and as a training ground for learning new technical skills. Each server is managed using Infrastructure and Configuration as Code via *Terraform* and *Ansible*. Mostly used to run container-based workloads. Recently I've been using my homelab to learn *Kubernetes* via *K3s*. Currently working on cleaning up the repositories so I can make them publicly available.

oscar.blue

Jun 2022 – Present

My personal website, powered by *Hugo*. At the moment this is acting as a link aggregator and contact page. In future, I plan on posting articles documenting my homelab experience and sharing technical knowledge.

Autophotographer (University Major Project)

Jan 2022–Jul 2022

Project written in *Python* that uses computer vision to analyse input video and output the most aesthetic frames based on photographic techniques. Using conventional image analysis techniques and a CNN trained on aesthetic photos using *PyTorch*. As part of the project I followed an adapted *Agile methodology* based on *Scrum*. Using *Terraform*, *Cloud-init*, and *GCP* to deploy GPU-powered resources for training my model.

EDUCATION

Aberystwyth University


Sep 2018–Jun 2022


BSc Computer Science (with integrated year in industry) [G401]: 1st Class Honours


Including the following modules:


- System and Network Services Administration – 1st
- Open Source Development Issues – 1st
- Agile Development and Testing – 1st
- Modelling Persistent Data – 1st
- Machine Learning – 1st


INTERESTS

 **Ethical & Open Source technology** – I'm a big advocate for ethical and open source technology. I used to volunteer and act as Technical Director for a community-driven organisation (hft.org | *Humans For Ethical Tech* - which sadly doesn't exist any more) that raised awareness for ethical technology. We provided security/privacy guides and hosted several user-respecting alternatives to popular services. I also attend numerous Open Source focused conferences like *OSFC* & I volunteer at *FOSDEM*.

 **Self-hosting** – I self-host and manage many personal services at home and on the cloud. I enjoy learning new technologies to power-up my workflows and lessen my dependence on potentially unsustainable technologies.

 **Scripting & Automation** – After switching to Linux, I started using the terminal to resolve issues and improve workflows, leading to the creation of many scripts and automations for improved desktop functionality. Ten years on, this expertise has helped in managing server use-cases as well.

 **Environmentalism** – Sustainability is a significant aspect of my life. During my time at university, I refurbished damaged electronics - thereby reducing e-waste and financially supporting my studies.

 **Climbing** – I've recently picked up bouldering as a way to physically challenge myself and develop my problem solving skills in a new environment.

REFERENCES

Provided upon request.