

Oliver Wilkinson

Platform Engineer | Infrastructure | DevOps | C# | Terraform | High Availability Systems

Cowling, North Yorkshire | +44 7456 066289 | email@oliverwilkinson.uk | Available for Remote / Hybrid roles

Profile

Principal Engineer with 11 years of experience building and maintaining mission-critical infrastructure. I design control systems and interfaces that allow operators to manage complex multi-system environments through intuitive controls — distilling complexity into usable tools.

Co-founder of a streaming infrastructure company serving 150+ clients with 24/7 uptime requirements.

Experienced across the full stack: infrastructure-as-code (Terraform, Ansible), containerisation (Docker, Kubernetes), virtualisation (Proxmox), monitoring, incident response, and direct customer communication.

Comfortable working across hybrid environments from bare-metal data centre operations through to cloud platforms. Strong technical communicator — translating complex problems into plain language is core to what I do.

Core Skills

Languages & Frameworks: C#, .NET, Python, JavaScript, REST APIs

Infrastructure & DevOps: Terraform, Ansible, Docker, Kubernetes, Proxmox, Linux, Windows Server, AWS, S3

Monitoring & Observability: Zabbix, Grafana, Prometheus, Incident Response, High Availability

Data & Networking: PostgreSQL, MySQL, TCP/IP, DNS, SSL/TLS, Nginx, Apache

Tools & Practices: Git, GitLab, CI/CD pipelines, Agile, Jira, DataMiner

Experience

Principal Engineer

Red Bee Media | November 2022 – Present | Salford (Hybrid)

- Developing control systems and integration protocols (C#, .NET) for mission-critical broadcast infrastructure serving national TV channels
- Building interfaces that allow operators to manage complex multi-system environments through intuitive controls
- Working in agile sprints within a multi-disciplinary team; CI/CD pipelines, Windows and Linux environments, REST API integrations
- Designing new components and expanding system functionality across a virtual private cloud environment with near-100% uptime requirements

Co-Founder & Infrastructure Lead

Hippynet Broadcast Technologies | November 2019 – Present | Remote

- Co-own and operate a streaming infrastructure company serving 150+ clients with 24/7 availability requirements
- Responsible for platform architecture, server provisioning (Terraform, Ansible), containerisation (Docker), and virtualisation (Proxmox)
- Built monitoring and alerting infrastructure using Zabbix, Prometheus, and Grafana; on-call incident response
- Direct customer communication — translating complex technical issues into plain language, managing SLAs and client relationships

Founder & Developer

AutoPod (SaaS Product) | June 2020 – Present | Remote

- Built and operate a cloud-based media management platform serving radio stations
- Designed architecture for containerised, multi-tenant system handling continuous recording and on-demand content delivery
- Technologies: Docker, Kubernetes, Python, PostgreSQL, S3-compatible storage, FFmpeg; monitoring via Zabbix, Grafana, Prometheus

Broadcast Systems Engineer

Red Bee Media | May 2018 – November 2022 | Salford

- Technical responsibility for high-availability systems powering national TV channels including BBC and Channel 4
- Physical and virtualised infrastructure across geographically distributed sites; hardware maintenance, software upgrades, monitoring
- Maintaining near-100% uptime across redundant architectures; cross-team communication within a large organisation

Apprentice Broadcast Engineer

BBC | September 2014 – July 2017 | Salford

- Three-year apprenticeship alongside BEng degree; placements across BBC Engineering Operations, Arqiva, Dock10, and BBC Technology Projects
- Foundations in system design, troubleshooting, IP-based content distribution, and cloud systems

Education

BEng Broadcast Engineering

University of Salford / Birmingham City University | 2014 – 2017