

## Luke Richardson

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### Profile

Network Systems Engineer & Architect with a bias for automation, bridging cloud-native tooling with real-world complexity at scale. Experienced across enterprise, data centre, industrial and smart building environments, with a focus on robust system design and automation-driven delivery.

Adept at building scalable infrastructure using AWS, Cisco, Juniper, Palo, Fortinet with tooling such as Terraform, Ansible, and Python SDKs. Strong grounding in network fundamentals combined with a deep commitment to advancing automation practices. Immersed in the network automation community and passionate about shaping next-generation architectures for hybrid environments.

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### Skills

- **Cloud & Automation:** AWS Networking, Terraform, Ansible, Python SDKs, GitHub Actions, NetBox, Nautobot
  - **Networking & Infrastructure:** Cisco Meraki, Juniper Mist, Cisco ACI, Palo Alto Panorama
  - **Tooling & Platforms:** Linux, Docker, Nornir, REST APIs, CI / CD, Grafana
  - **Practices:** GitOps, Observability, Infrastructure as Code (IaC), DevOps
  - **Soft Skills:** Leadership, client-facing architectural leadership, cross-functional collaboration, commercial acumen
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### Experience

| Where  | When        | What                  | Why                 |
|--------|-------------|-----------------------|---------------------|
| Camden | 2024 - 2025 | Lead Network Engineer | Public Service      |
| Lloret | 2023 - 2024 | Network Architect     | Rediscover my Roots |

| Where          | When        | What                     | Why                   |
|----------------|-------------|--------------------------|-----------------------|
| WeWork         | 2019 - 2023 | Global Network Architect | Build Complex Systems |
| Redstone       | 2017 - 2018 | Network Engineer & TPM   | Prove Myself          |
| Dimension Data | 2012 - 2017 | PM to Network Engineer   | Learn the Ropes       |

#### **Camden — Lead Network Engineer London, UK | 2024 – 2025**

- Led network modernisation projects across critical public sector infrastructure.
- Supported hybrid environments integrating Cisco Meraki, Cisco ACI, Palo Alto Panorama, and Azure cloud services.
- Focused on improving operational efficiency through network automation and technical debt remediation.

#### **Lloret — Network Architect London, UK | 2023 – 2024**

- Led design and delivery of high-performance smart building networks, integrating Cisco, Allied Telesis, and IoT systems.
- Produced technical RFIs, BoMs, and submission packages, aligning to client specs and winning major ICT contracts.
- Built GitOps-driven automation pipelines and source-of-truth systems to improve consistency and deployment accuracy.
- Reduced project costs by approximately 15% through spec refinement and vendor strategy, while achieving WiredScore Gold/Platinum.
- Partnered closely with clients and executives to present, refine, and secure multi-vendor network designs worth £100k+.

#### **WeWork — Network Architect London, UK | 2018 – 2022**

- Migrated 100+ offices globally from legacy Cisco to Juniper Mist, reducing incident frequency and support overhead.
- Built automation frameworks using Python and Nornir, aligning intended vs actual state and streamlining operations.
- Led IPFabric and Nautobot adoption from proof-of-concept to production, saving 200+ engineering hours annually through automated visibility and source of truth management.
- Regional SME for network reliability engineering, automation tooling, and cross-functional DevOps collaboration.
- Product owner & primary owner of departmental AWS Networking, Splunk Observability, and Okta SSO environments.

- Thrived during global restructuring, taking on additional project ownership amid rapid organizational change.

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## Education

| Where                | When        | What                |
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| University of London | 2005 - 2008 | BA in Politics, 2:1 |

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## Interests

Network Automation for Work. Evolutionary Psychology for Life. Climbing & Mountains for Ever.

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Be Good & be Gone. +447376209455 | luke@lukeoson.com

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## Additional Technical Keywords

**Protocols:** TCP/IP, UDP, ICMP, ARP, DNS, DHCP, IPAM, NTP, SNMP, Syslog, LLDP, STP, RSTP, MSTP, 802.1Q, 802.1D, 802.3ad LACP, IGMP, VTP, VRRP, HSRP, BGP, OSPF, PBR, IPsec, SSL/TLS, SSH, RADIUS, SAML, OAuth2, 802.1X, EAP, MACSec, ACLs, NAT, PAT, ZBFW, 802.11, WPA/WPA2/WPA3, WMM, MLO, RRM, DFS, JSON, XML, YAML, REST, gRPC-GNMI, OpenConfig

**AWS Services:** VPC, ENI, IGW, NAT GW, TGW, VGW, CGW, VPN, DX, Peering, GWLB, PrivateLink, EC2, SG, EIP, Route 53, ALB, NLB, IAM, KMS, S3, SQS, SNS, CloudWatch, CloudTrail, GuardDuty, Inspector, Secrets Manager (SM), EventBridge, Lambda, DynamoDB, RDS, EFS, EKS, ECS, CloudFront, Cloud WAN, WAF, Shield, CloudFormation

**Tooling:** Terraform, Ansible, GitOps, CI / CD, GitHub Actions, Nornir, REST API, Python SDKs, Postman, NetBox, Nautobot, InfraHub, IPFabric, Splunk, Prometheus, Grafana

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