Luke Richardson - Resume 2024

Network Architect with Extensive ICT Infrastructure Expertise
Experienced Network Architect based in London, specialising in systems infrastructure engineering, network automation, and team leadership. Proven track record in delivering complex projects for high-caliber clients, including Smart Building and large-scale Data Centre builds. Adept at capturing and developing client requirements, designing scalable and resilient network architectures, and leading cross-functional teams to ensure successful project execution. For the common good.

- **Passionate about Automated Design:** Dedicated to implementing automated solutions that streamline network deployment and management.
- **Determined to deliver robust and scalable Infrastructure Pipelines:** Focused on creating infrastructure that supports growth and ensures long-term reliability.
- **Adept at collaborating with cross-functional Teams:** Skilled in working with diverse teams to deliver complex projects efficiently and effectively.
- **Compulsion to serve the Public Good:** Leveraging technology to improve lives and build common community, compassion, and a deeper understanding of our shared ecosystem.

Contact

Hello@Lukeoson.com | +44 7376209455
LinkedIn | GitHub | Website | Blog | Verify Certifications | Meeting Scheduler | London
Visit lukeoson.com for additional information and context.

Employment History

Available for Hire	*2024 - ---->*	*Lead Network Infrastructure Engineering*
Lloret	2023 - 2024	Network Architect
WeWork	2019 - 2023	Network Architect - Global
Redstone	2017 - 2018	Network Engineer & TPM
Dimension Data	2012 - 2017	PM to Network Engineer

Education

University of London	2005 - 2008	Politics BA - 2:1
Bishop Stopford	1997 - 2005	x4 A-levels Grade A

Multiple Technical Networking Certifications: Cisco, Juniper, AWS, Okta, GitHub & Wiredscore AP. Verify with Credly.

Career Achievements

A journey towards senior roles in infrastructure design and optimisation, grounded in diverse technical and managerial expertise in ICT infrastructure, network automation, and a passion for delivering measurable value of complex scaled solutions. A particular passion for Public Sector contributions that serve the good of our community.

Lloret Control Systems: Network Architect 2023 - 2024

Following a successful 12 months at Lloret the time was right to take a summer break before transitioning to a more professional fulfilling role that makes good use of my skills and competencies.

Situation:
Senior company authority for the design & build of client specified multi Vendor network architectures inclusive of complex system integrations required for performant and cohesive Smart Building IoT technologies.

Task:
Translated client specifications into technical requirements and designed comprehensive network architectures within strict budget and timeline constraints, maximising client value and clearly communicating the benefits of proposed changes to senior stakeholders.

Action:
• ***Produced high quality documentation*** including Requests for Information (RFIs), Technical Submissions (Tech Subs), and Bills of Materials (BoM), ensuring that all tender and contract stage proposals were meticulously prepared and aligned with client expectations.
• ***Conducted detailed meetings with clients*** **to present network designs**, effectively demonstrating the value and feasibility of proposed solutions to senior executives and securing contracts of work.
• ***Collaborated closely with clients to refine original specifications***, employing strategic client convincing techniques that enhanced project value and reduced costs for all stakeholders.
• ***Developed comprehensive technical drawings, schematics, documentation, and workflows*** using GitOps methodologies to facilitate version-controlled deployment processes.
• ***Implemented Source of Truth databases*** to accurately capture and build all network artefacts in accordance with client requirements, enhancing data integrity and project reliability.

• ***Aligned project execution with clients' preferred project management frameworks***, whether Agile or Waterfall, ensuring methodologies were synchronised with their operational structures.
• ***Presented technical solutions and proposals to senior stakeholders***, effectively securing buy-in and driving project approvals.

Result:
• ***Collaborated with the sales team to win multiple contracts of work***, each valued at hundreds of thousands of pounds sterling as part of ICT ELV packages, increasing turnover share for Common Network Systems and Master Systems Integration by circa 25%.
• ***Established a reputation as an excellent convincer and presenter***, becoming a trusted technical authority among clients and senior stakeholders.

- **Built a high-quality lab environment at headquarters for testing and validation**, facilitating Factory Acceptance Testing (FAT) with clients and ensuring systems met stringent quality standards.
- **Delivered an automated project delivery pipeline** by applying DevOps principles for continuous integration and delivery, enhancing project efficiency and consistency.
- **Achieved Gold and Platinum WiredScore statuses** for all designs, reflecting superior quality and performance standards that exceeded client expectations.
- **Reduced project costs by circa 15%** through refining original specifications and strategic vendor negotiations, optimising resource allocation without compromising quality.
- **Streamlined project pipelines**, establishing a foundational framework that increased efficiency for subsequent projects by circa 20% and facilitated smoother transitions from design to construction stages.
- **Secured multiple contracts** by effectively presenting proposals to senior client executives during the tender stage, demonstrating the value and feasibility of proposed solutions.
- **Implemented ICT cabling strategies and space planning**, ensuring optimal layout and functionality of optical fibre cabling systems, including FTTx and Passive Optical Networking (PON), enhancing system performance and scalability.
- **Led the design and integration of Optical Fibre and Copper Structured Cabling Systems**, ensuring robust and reliable infrastructure for Smart Building IoT properties and facilities. LAN & WAN.

WeWork: Network Engineer to Global Network Architect 2019 - 2023
Key contributor to the global Network Architecture in a highly dynamic hyper growth environment.

Transition of Global Branch Network to Juniper Full Stack
- **Situation:** Managed the global network architecture of 750 branches across circa 100 countries and 4 data centers in 3 continents.
- **Task:** Transition the global branch network to Juniper Full Stack to enhance network performance and reduce outages within strict budgetary and logistical constraints.
- **Action:** Design and Build architectural blueprints for automated low touch provisioning of refreshed network assets inclusive of new Golden Config for global standardisation and observability enablement.
- **Result:** Radically reduced network outages by 30%, increased network performance by 25%, and completed the refresh of first-generation branches on time and within defined budgets.

Global Network Automation & Orchestration Strategy
- **Situation:** Led the initiative to incorporate the branch network into a code pipeline to enhance automation and orchestration across the global network.
- **Task:** Reduce the time to deploy network changes from days to minutes while ensuring reliability and scalability.
- **Action:** Built the automation framework block by block, prioritising Source of Truth and assurance to facilitate continuous integration and delivery.
- **Result:** Radically reduced team toil by 40%, increased Member MPS by 35%, and successfully completed the transition to Infrastructure as Code by 2023.

Owner of Nautobot & Netbox Sources of Truth & IPFabric Network Assurance
- **Situation:** Responsible for maintaining accurate network sources of truth and ensuring comprehensive network assurance across all systems.

- **Task:** Build and implement Nautobot in AWS and IPFabric as distributed on-premise solutions to manage over 10,000 network devices accurately.
- **Action:** Collaborated cross-functionally with SRE, DevOps and Security teams to integrate Nautobot and IPFabric, ensuring data integrity and system reliability.
- **Result:** Maintained an accurate database of over 10,000 network devices with marginal discrepancies, ensured viable sources of truth for both actual and desired states, and completed the transition to Infrastructure as Code by 2023.

Administrative Duties of Splunk Cloud Observability & Okta SSO
- **Situation:** Managed the configuration and access of network systems through Splunk Cloud Observability and Okta Single Sign-On (SSO) to enhance security and compliance.
- **Task:** Serve as the gateway for SSO configuration and access in network systems, ensuring secure and compliant access controls.
- **Action:** Provided training and developed documentation for Okta and Splunk, and collaborated with the Cyber Compliance Team to verify configurations and access permissions.
- **Result:** Ensured the Network Team had correct access to systems, achieved 100% compliance with Cyber Security Team verifications, and completed the transition to Okta SSO for all capable systems by 2023.

Excel Redstone: Project Manager to Network Engineer 2017 - 2018
Technical Project Management & delivery of multiple prestigious Data Centres design and build.

- **Situation:** Multiple Data Centre builds and audits for the Banking and Insurance sector.
- **Task:** Project Management and execution of scaled Data Centre deployments.
- **Action:** Pre-sales alignment of Infrastructure requirements and Management of Stake Holders.
- **Result:** Delivered tightly scoped Data Centre builds on time and in budget to great acclaim.

Dimension Data: Network Refresh Project Manager to Network Engineer 2012 - 2017
Project Management & delivery of multiple prestigious large scale Infrastructure Builds.

- **Situation:** Structure Cabling and Network Infrastructure base builds. Airbus, RAF, Rolls Royce.
- **Task:** Project Management and execution of large campus LAN & WAN network deployments.
- **Action:** Co-ordinate Structured Cabling of Fibre Backbone and Copper Horizontal installations.
- **Result:** Successful and acclaimed delivery enabling career progression to Network Engineering.

ITS Networks: ICT Structured Cabling 2008 - 2012
Early career development of Structured Cabling and Data Centre build and management expertise.

- **Situation:** Immediate aftermath of University as on route to technical competence.
- **Task:** Vertical Backbone and Horizontal Copper installations for small and large campus LAN.
- **Action:** Installation and termination of fibre and copper structured cabling at speed and scale.
- **Result:** Successful delivery and accrued knowledge enabling career progression.

Hobbies

Adventure occupied much of my twenties as I pursued life affirming activities.

- Rock Climbing.
- Mountaineering. Northern India & Nepal.

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