Samuel Lewis

Networking, Virtualisation, Automation

CCIE certified networking, systems and virtualisation specialist with over 15 years of experience in a top-tier business-connectivity service provider.

Focused on delivering technical solutions precisely engineered to meet customer and business objectives.

Proven expertise in delivering exceptional customer service throughout a 20 year career in client-facing positions.

Languages
English: Native
Spanish: Fluent
Catalan: Basic

Interests
Carpentry
Physics
Philosophy
Ice Hockey

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Education & Certifications

VMware vSphere: Troubleshooting [V8]
January 2026 - Broadcom vendor official training

VMware vSphere: Fast Track [V8]
November 2025 - Broadcom vendor official training

Advanced Python For Data Science (6 ECTS - 150 hours)
October 2022 - La Universitat Oberta de Catalunya - Matrícula de Honor (highest distinction)

Linux Advanced System Administration (LPI)
April 2020 - Global Knowledge

Cisco CCIE Routing and Switching (#57680)
October 2017

Juniper JNCIS
December 2014

Juniper JNCIA
February 2014

Cisco CCNP
October 2013

Cisco CCNA
October 2012

Physics B.Sci, Upper Second-Class Honours (2:1)
May 2003 - University of Bristol, UK

Experience

3rd Level Network Engineer / Innovation Lead - Colt Technology Services
2017 – Present

▪ **Networking**

Specialist in advanced IP networking, providing 3rd-level support, design, and deployment across a wide range of services. High-level expertise with Cisco, Juniper, Versa, and Adtran (formerly ADVA), covering segment routing core (IQ Net), IP/MPLS-based VPNs, MPLS MP-BGP Layer-2 VPNs, SD-WAN and Edge Cloud. Skilled in delivering and supporting Universal CPE platforms (edge cloud) for enterprise customers, enabling resilient and scalable solutions. Currently working on SCION (Anapaya), a next-generation secure internet architecture (as used in the Secure Swiss Finance Network, SSFN).

▪ **Systems & Cloud Computing**

Expert in cloud and virtualization technologies with extensive hands-on experience in Cisco CVIM, OpenStack, VMware, and Adtran Edge Cloud. At Colt, I have been actively involved in the Provider Cloud solution (NFVI – Network Function Virtualisation), integrating virtualized network functions into carrier-grade environments to deliver scalable, high-availability services for customers.

▪ **Network Automation**

Experienced in automating and orchestrating complex network environments using Itential, Rundeck, shell scripting, and Python to streamline operations and improve efficiency. Skilled in designing and deploying workflows that unify hybrid cloud and carrier-grade infrastructure, automate operational runbooks, and reduce manual effort.

▪ **Innovation**

Lead technical implementor for strategic innovation projects, architecting and deploying experimental solutions on top of SDN and NFV platforms. Engage directly with technology partners and enterprise customers to evaluate new architectures and accelerate their adoption within Colt's service portfolio.

Network Lead Technician - Colt Technology Services
2012 – 2017

2nd level remote support for layer 2 and 3 services ranging from IP managed solutions to layer 2 point to point circuits over varying technologies including Ethernet, SDH and DSL . Specialising in managed layer 3 services such as MPLS based IPVPN solutions and internet access. High level of technical knowledge necessary for Cisco, Juniper and Hauwei operating systems at access, aggregation and core router levels.

Helpdesk Network Support - Colt Technology Services
2010 – 2012

First level support team assisting with incidents related to Voice, Data and Transmission faults.

Remote Desktop Support Engineer - Citibank
2007 - 2009

Second level Remote IT support, covering the XP based nextgen platform with Citi's mainframe and web based applications, VOIP and legacy phone system, faxing and printing.