

Alper Demiryay

Lead Broadband Services Professional

Professional Summary

Experienced Network Engineer focused on large-scale service provider networks and infrastructure. Passionate about acquiring technical knowledge, embracing new technologies, and setting new challenges to make a difference. I believe in the high importance of technological innovation and continuous progress. I am a dedicated professional who also highly values human connection.

Experience

July 2024 – **Lead Broadband Services Professional, Turkcell, Istanbul, Türkiye**

Present As a Fixed & Mobile Lead Broadband Services Professional, my responsibilities include:

- Preparing and implementing annual investment plans and budgets for DPI functions, AAA mechanisms, and related systems.
- Staying updated with the latest technologies and maintaining contact with manufacturers to support core network strategy and roadmaps.
- Defining, executing, and reporting on laboratory (captive) test scenarios.
- Leading the initial network application (FNI process) and coordinating the network integration (rollout) process.
- Managing the resolution process for critical problems affecting network continuity and performance.

December 2019 – **Broadband Network & Services Expert, Turkcell, Istanbul, Türkiye**

July 2019 – Worked as a Senior Broadband Engineer in Turkcell's fixed broadband network.

- Responsible for end-to-end operation, maintenance, and L3 troubleshooting of carrier-grade broadband network devices.
- Key technologies included PPPoE, PPPoL2TP, IPOE on platforms such as Ericsson SSR, Huawei NE40, Cisco ASR 9k, and A10 Thunder.
- Managed Sandvine DPI, Nokia HDM, AAA Servers, EfficientIP DHCP/DNS, and Aruba WLAN Gateways.
- Led my team's network automation (NetDEVOPS) initiatives, developing and reviewing Python scripts for improved reliability.
- Implemented software development processes using GitLab for source control and operated RHEL 7 servers.

June 2019 – **Network Automation Engineer, Nokia, Istanbul, Türkiye**

December 2019 Developed an internal tool, the Network Automation Platform (NAP), to automate migration from Cisco, Juniper, and Huawei routers to Nokia carrier-grade routers.

- Provided network technology consultancy for the automation tool development.
- Validated auto-generated configurations against LLD and design concepts.
- Tested tool functionality, reported bugs, and wrote generic TextFSM templates for the Python configuration parser.

August 2015 – **IP/MPLS Technical Support Engineer, Nokia, Istanbul, Türkiye**

– July 2019 Served as a senior network engineer at the Technical Assistance Center for the EMEA region, supporting over 200 service providers.

- Provided advanced technical support to troubleshoot and solve complex IP/MPLS network problems.
- Acted as the prime engineer and single point of contact for Česká Telekom for all IP/MPLS related technical issues.
- Delivered more than five technical training sessions to internal teams on topics such as RSVP/LDP, BGP, Multicast, and QoS.

Education

- 2010 – 2014 **Bachelor's Degree in Telecommunications Engineering**, *Kocaeli University*
2008 – 2010 **Associate's Degree in Electronics and Telecommunication Technology**, *Istanbul University*
2004 – 2008 **Ship Electronics and Telecommunication**, *Ziya Kalkavan Maritime High School*

Skills

Core Competencies	BGP, MPLS, DPI, Automation, Traffic Engineering, QoS, Multicast
Network Protocols	PPPoE, PPPoL2TP, IPOE, CGNAT, DNS, DHCP
Automation & DevOps	Python, NetDEVOPS, GitLab, TextFSM, RHEL
Databases	PostgreSQL, SQLite, Oracle DB
Hardware	Ericsson SSR, Huawei NE40, Cisco ASR 9k, A10 Thunder, Sandvine DPI, Nokia HDM

Certifications

- Nokia SRA Nokia Service Routing Architect
RHCSA Red Hat Certified System Administrator

Languages

- Turkish Native or Bilingual
English Professional Working