

# Utku Ozsan

## Senior Network Engineer

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Skilled in network design, analysis, troubleshooting, and automation, with extensive experience working with Huawei, Nokia, Cisco, and Juniper routers and an in-depth understanding of network technologies. Actively enhancing Python skills and using frameworks like Nornir, Ansible, and Netmiko. Holds multiple network certifications and has a strong interest in programming and emerging technologies.

## Skills

### Network Technologies

- TCP/IP, MPLS, RSVP, OSPF, ISIS, QOS, VRRP, HSRP
- Segment Routing, Seamless MPLS, L2VPN & L3VPN Services
- BGP, EVPN, EVPN-MPLS, VXLAN
- Hands on experience on Juniper, Cisco, Nokia, Huawei routing platforms

### Programming Technologies

- Python
- Cisco NSO Platform, YANG, XML
- Nornir, Ansible, Netmiko
- Linux

## Certifications

### Juniper

- JNCIP-SP, JNCIS-SP, JNCIA-Junos
- JSR - Segment Routing
- JNCIA - DevOps

### Cisco

- CCDP, CCNP, CCNA Security
- CCIE Written
- Devnet Associate

### Nokia

- NRS 1

## Experience

### Senior IP Core Network Engineer

Infosys Limited

11/2023 - Present

Retaining my Liberty Global position within Infosys Limited

### Senior IP Core Network Engineer

Liberty Global

06/2022 - 10/2023

- Reviewing and validating design and migration plans for IP Core Network
- Discovering and addressing systematic problems in the IP Core network
- Performing Lab testing of software releases and IP-MPLS features
- Performing anti-DDOS tests for customers
- Configuring, maintaining and troubleshooting IP Core network
- Whitebox network disaggregation testing for IP Core network.(UfiSpace with Arrcus NOS)
- Service creation on Cisco NSO for network related deployments
- B2B MEF service implementation and maintenance
- Developing Day-1 configs for ISIS, BGP, MPLS in Cisco NSO
- L3VPN and L2VPN Implementations
- BGP peer migrations, edge filters, policy updates

### Transport Core Network Planning Expert

Turkcell A.S

01/2017 - 03/2022

- Investigating, testing, and evaluating new technologies, solutions, and products for Transport Network
- Authoring and evaluating RFPs, integrating new products and solutions to Transport Network Architecture
- Creating mid and long term strategies for Turkcell IP RAN
- Preparing short and long term business plans for transport network
- Developing design principles, models, plans, and internal standards based on best networking practices
- Performing network troubleshooting in order to isolate and diagnose network problems and solving complex network problems with many variables
- Preparing project plans and managing projects

<b>Senior Access Transport Engineer</b>	Turkcell A.S	06/2012 - 01/2017
<ul style="list-style-type: none"><li>◦ Responsible for over 2000 mobile sites (2G,3G,4G) transmission planning, operation and optimization</li><li>◦ Managing, planning, and troubleshooting Region IPRAN which includes more than 200 routers</li><li>◦ Implementing L2VPN and L3VPN services for IPRAN</li><li>◦ Follow up LL and MW availability, utilization, capacity, and quality to resolve day-to-day issues and support site staff to deliver KPI of every 2G, 3G, 4G cluster</li><li>◦ Undertake regional 2G, 3G, 4G network performance improvement-KPIs and optimization tasks</li><li>◦ Preparing weekly/monthly KPI's performance reports</li></ul>		

<b>NOC Engineer</b>	TurkTelekom A.S	09/2007 - 06/2012
<ul style="list-style-type: none"><li>◦ Managing and operating Turk Telekom (AS9121) IP/MPLS Network (1000+ Large-scale)</li><li>◦ Implementing MPLS based Layer 2 and Layer 3 services to customer needs</li><li>◦ Effective network management with "Cariden Mate" and "Packet Design"</li><li>◦ Experience in fault isolation techniques and troubleshooting issues within the network to ensure it is running efficiently and avoids all potential future problems</li><li>◦ Deciding BGP peering session at internet exchange points in AMS-IX, DE-CIX, LINX</li><li>◦ Nagios and Cacti tools implementation and configuration</li><li>◦ In-house tool development for internal use to monitor customer services and network outages</li><li>◦ Skilled in providing 24/7 support for IP/MPLS Backbone</li></ul>		

## Projects

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### Libery Global

- Improving NA4 Network Convergence Project
- Cisco NSO Templates for Network Deployments
- Multi IMSI Roaming Project
- Arrcus Whitebox Integration into production Network
- Capacity Upgrades

### Turkcell A.S

- Transport Fixed-Mobile Convergence Design and Rollout
- Universal Project LTE Expansion Design and Rollout
- Airspan Smallcell Integration Project
- Software Upgrade Project for Nokia and Huawei Routers
- LTE X2 Network Design
- Swap Project of Nokia 7750 and 7705 routers to Huawei NE40E-X8 and ATN 950B at Ankara Region
- Migration Mobile sites from L2VPN to L3VPN Project at Ankara Region

### TurkTelekom A.S

- TT-VPN Projects (Enterprise Customers L3VPN Design)
- Transit VPN
- Guard-Arbor DDOS Security Service Project
- Turk Telekom Intranet Project
- In-house Software Projects

## Education

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### Gazi University

B.Sc. in Electrical and Electronics Engineering

Ankara, Turkey

09/2002 - 06/2007

### Maribor University

B.Sc. in Electrical and Electronics Engineering - Erasmus Exchange Student

Maribor, Slovenia

02/2007 - 06/2007