



# Amro ElHusseini

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## About me

What I can offer, is experience in working in a wide range of Network specialties, from IP Backbone hosting converged IMS/Mobile backhaul ( Egypt telekom ), Enterprise Service provider installing and maintaining VPN/MPLS routing and tunneling global sites ( Orange Business Services ), Cloud backend on open stack based Public cloud in Europe ( Flexible Engine \ Huawei Cloudstack ), and finally in my current Role in Customer end Enterprise network, managing Wifi, Firewalls, VPNs, in Datacenter and office site ( Hyundai Autoever Europe GmbH ).

In addition, working in a very process oriented environment in Orange Business Services, have taught me how to establish a process and apply best practices, from Change, Project, implementation and Documentation of daily work.

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## Work experience

**Network Systems Engineer** | Hyundai Autoever GmbH | 01/07/2023 - Current | Offenbach, Germany

Implementation and management of Datacenter and enterprise infrastructure, including working on :

Cisco ISE (2.x & 3.x)

Cisco WLC (9800& 5500)

Cisco Nexus (Legacy & 9K)

Cisco IOS based (Legacy and catlyst 9k)

Cisco DNA center.

Cisco ASA & Palo Alto firewalls (Filtering , SSL & IPSec)

Managing multiple customers with multiple infrastructure needs, also acting as Project manager for new implementations.

**Cloud as Systems Engineer** | G42 Cloud | 01/03/2023 - 01/06/2023 | Abu Dhabi, United Arab Emirates

Maintaining Huawei Cloud Stack (Openstack Based) cloud, and mainly managing the Neutron Infrastructure, continuing on the same experience from Ericsson and Orange Business Services

**Cloud Operations and Automation Engineer – Network Domain** | Ericsson | Cairo, Egypt

Joined Ericsson as operation engineer, but main responsibility is automating the tedious checks for bugs that customers may face and automate the fix application with minimal intervention from customers, using mainly Python and Bash scripting

**Public Cloud Operations Engineer – Network Domain** | Orange Business Services | 01/08/2021 - 01/10/2022 | Cairo, Egypt

· Working on both Physical and Virtual parts of the Cloud DCs infrastructure , as follows :

Physical Networks :

- Working on the Physical DCs hosting all cloud services , which adheres to the current standards of CLOS design and utilizing the use of APIs to configure and control the behavior of Network nodes (Routers , switches , firewalls) .
- Management and optimization of Network capacity and peering with the Orange backbone for both MPLS and internet traffic .

- Exposed to multiple security appliances such as VPN Gateways , AntiDDOS and WAF , as they are essential to any Internet facing solution , especially for hosting compliant and critical tenants .

Virtual Network :

- For the first time in my career , I had the opportunity to work on the most upcoming technologies , from Openstack Virtual networks , and the very efficient virtual network appliances for security and load balancing solutions .
- worked with both legacy VLANs and new VXLAN virtual private networks with multiple interworked encapsulation criterias .

Troubleshooting experience :

- From managing both Physical and Virtual networks , I had to work on DC routing/switching beside troubleshooting on the virtual networks at the same time as traffic passes through Security appliances Physical and virtual switches , so the Network Operations part extends through even the Linux machines .

Automation :

- New to Terraform , but very experienced with using python for API interactions and also did multiple big self initiated projects , you can find them in the Skills part in the CV .

New DC technologies gave me the opportunity to migrate from SSH based scripting to NetConf/REST\_API based calls that are much more reliable and efficient .

**IP Core Planning Senior Engineer** | TE Data (Telecom Egypt) / WE | 01/06/2019 - 01/07/2021 | Cairo, Egypt

Responsible for utilizing Python scripting for both reporting on the whole Backbone network and performing automated Pre & Post checks on the span of an area while migrating critical devices.

Migration and implementation of backbone devices (P-PE-RR-BNG) from multiple vendors (Cisco - Juniper - Nokia - etc).

Implementation of backbone hosted services and backhaul services for Fixed, Mobile, and Broadband services using L3/L2VPNs.

Software upgrades for multiple vendors devices.

BGP, MPLS & OSPF deep understanding as underlying for all hosted services.

Due to the nature of a converged network worked with Mobile, Fixed, and Broadband backbones such as IMS, EPC, BNGs, and a suite of devices, also worked on establishing connectivity towards multiple security devices (PaloAlto, Cisco ASA, Juniper SRX).

**VPN Implementation Engineer Level 3** | Orange Business Services | 01/06/2018 - 01/06/2019 | Cairo, Egypt

Had the chance to work on an international vast network which provided knowledge of how to manage enormous scale networks.

Supporting customers in huge geographical areas across multiple continents and languages, every enterprise worked with was a global enterprise, which enabled me to manage networks across multiple Autonomous Systems.

Due to the global reach of Orange Business Services, I was able to work with multiple physical technologies, some are phasing out like ATM and Frame Relay.

Management of customer's HUB sites with multiple unique network setups.

At the halfway point of working in the team, I shifted to working with Optimization technologies and devices, such as Riverbed and Ipanema, which provided deep knowledge with TCP/IP operation.

**Incident Management Specialist (1st Line Engineer)** | Orange Business Services | 01/10/2016 - 01/06/2018 | Cairo, Egypt

Provided skills to how to manage customers from across the world and being familiar to customer's aggression at the time of service instability

Basic Troubleshooting skills on PE-CE, LAN and Wireless technologies.

**Education & Training** \_\_\_\_\_

**Bachelor's degree Computer Engineering** | Arab Academy for Science and Technology and Maritime (AASTMT)

**Language Skills**

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	<b>Understanding</b>		<b>Speaking</b>		<b>Writing</b>
	Listening	Reading	Spoken production	Spoken interaction	
<b>English</b>	C2	C2	C2	C2	C2
<b>German</b>	A1	A1	A1	A1	A1