

João Soares

Address

*** **, Malmö
Sweden

Phone No.

+46 *** ** *
+351 *** ** *

Email

js@joao.sh

Web & Git

joao.sh
linkedin.com/joaopsys
github.com/joaopsys

Experience

- 2022 - Now **Lead IT Network/Security Consultant (2023 - Now) <- Senior IT Network/Security Consultant (2022 - 2023)** [Ørsted, Denmark](#)
Largest energy company in Denmark and the world's biggest developer of offshore wind power. Focusing on automating infrastructure processes and driving network/infrastructure as code for both onprem and cloud environments using technologies such as Ansible, Terraform, Python and integrating with Cisco ACI, Palo Alto firewalls, Azure/AWS/Aviatrix. Mentoring infrastructure and operations teams aiming to transition into development. Designing solutions for optimizing traditionally inefficient processes, such as firewall rule management, logging systems, monitoring, infrastructure sources of truth.
- 2018 - 2022 **Network Lead (2021 - 2022) <- Network Specialist (2020) <- Network Administrator (2018 - 2019)** [Verisure, Sweden](#)
Lead for the network team at Verisure from June 2021. Security/Alarm company with roughly four million customers. Handling services with extremely low latency and high availability requirements. Medium-large infrastructure environment spanning over dozens of countries, involving different vendors, subnets, VRFs, multiple providers and cross-site fail-over mechanisms.
- 2015 - 2017 **System Administrator** [University of Coimbra, Portugal](#)
Network, services, infrastructure management and configuration. Working with highly available and critical infrastructures, sensitive/confidential data. High scale intrusion detection and reaction. User support.

Personal Skills

- Troubleshooting
- Communication
- Fast Learning
- Productivity
- Autonomy
- Teamwork

Education

- 2017 **Invited Professor** [ISCTEM, Mozambique](#)
Lectured Network and System's Security: Security Standards, Security in Wireless Networks and Applications. Authentication and Encryption
- 2011 - 2016 **Master's Degree in Informatics Engineering** [University of Coimbra, Portugal](#)
Specialization in Network Connectivity, Services and Infrastructure

Main Skills

- Automation and Orchestration:** Extensive experience with Python, Ansible, Terraform and Puppet, focusing on orchestrating Cisco ACI, Cisco IOS devices, Palo Alto, F5 BIG-IP and Linux systems in general
- CI/CD:** Experience with CI/CD workflows using Azure DevOps (ADO) pipelines mainly focusing on code validation, unit testing and infrastructure automation.
- Configuration, maintenance and troubleshooting of various network services and devices: **Switches and Routers** (Cisco N7K/N9K/ISR/ASR/ASA/Catalysts, Dell, 3Com, HP), DHCP and DNS (BIND, Unbound)
- Routing:** Experience with complex routing topologies, high availability and ECMP. Traffic engineering with BGP, EIGRP, OSPF, multiple VRFs and policy based routing
- Cloud Networking:** Configuring and maintaining networking in Azure spanning across multiple regions, using virtual WANs, virtual WAN hubs and routers.

Programming and IaC



Languages

PT (Native) ★★★★★
EN (C2) ★★★★★
SP (B2) ★★★★☆
JP (B1) ★★★☆☆
SE (A2) ★★★★★

Other info

- Driver's license

Other experience

- Network security
- Penetration testing
- Intrusion detection
- White-hat hacking
- Linux/UNIX

Major achievements

- 2022 - 2023 **End-to-end validated firewall automation**
Developed and implemented a solution for managing firewall rules by shifting left the firewall rule building process to development teams in a controlled and validated way, instead of it being centrally managed by infrastructure teams.
- 2022 **Implementation of Aviatrix in production**
Designed and implemented Aviatrix in Azure with load-balanced active/active Palo Alto firewalls.
- 2020 - 2021 **Firewall migrations**
Migration of legacy firewalls with thousands of firewall rules into a next generation firewall platform (Palo Alto) with no network interruptions. Major rule restructuring and cleanup during this migration.
- 2020 **Deployment and migration of a distributed VPN solution**
Implementation of a GlobalProtect VPN setup distributed over several countries to support thousands of users. Migration of every user and respective VPN profiles and policies from Cisco AnyConnect into GlobalProtect.
- 2018 - 2020 **Datacenter migrations**
Both physical and logical datacenter migrations, into new locations and new network platforms (from Cisco Nexus 7K to Cisco ACI) without interruptions.

Additional Skills

- Firewalling:** Configuring Palo Alto firewalls with Panorama - several virtual systems, device groups and templates, Cisco ASA, iptables, pfSense and OpenBSD (pf)
- IPAM and sources of truth:** Vast experience deploying, configuring and maintaining infrastructure sources of truth such as Nautobot, Netbox and Racktables
- SDN:** Setting up, configuring and maintaining Cisco ACI fabrics using Nexus 9Ks
- DevOps:** Versioning with Git (GitHub, Bitbucket, ADO). Artifact management with JFrog Artifactory. Container orchestration with Docker and Docker Compose
- Logging:** Experience deploying highly scalable and redundant logging systems and data analysis - (r)syslog, Splunk, Graylog - Elasticsearch
- VPN:** Distributed GlobalProtect setups. High availability using dual ISPs. Other VPN experience includes Cisco AnyConnect, OpenVPN, IPSEC and Wireguard
- Multi-cloud networking:** Deploying, configuring and maintaining Aviatrix as a multi-cloud networking overlay technology.
- High availability and load balancing:** Limited experience with F5 BIG-IP platform. Layer 2 LB with Bridging, Bonding/LACP/VPC. Layer 3 via ECMP with routing protocols, VRRP/HSRP/CARP and Layer 4 with Keepalived, Corosync and Pacemaker
- Monitoring/Alerting:** SNMP, Nagios, Prometheus, Netdata, LibreNMS, Grafana, iPerf

Programming

- Python: Crawlers, parsers, Flask/Falcon, Scapy, netaddr, netmiko, paramiko and other networking libraries. Limited experience building Django apps and unit testing
- Bash: Scripting and automation in general: grep, ripgrep, awk, sed, tshark, etc
- SQL: MySQL/MariaDB - Indexes, stored procedures/functions, triggers. Limited experience with NoSQL (Cassandra) and Postgres