

## Address

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\*\*\* \*\*, Malmö  
Sweden

# João Soares

## Tel & Skype

+46 \*\*\* \*\*  
+351 \*\*\* \*\*  
live:joaopsys

## Mail

js@joao.sh

## Web & Git

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

## Personal Skills

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

## Languages

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

## Experience

- 01/18 - Now **Network Specialist** [Verisure, Sweden](#)  
Security/Alarm company with over three million customers. Handling services with extremely low latency and high availability requirements. Network administration in a medium to large infrastructure environment spanning over dozens of countries, involving several subnets, VRFs, multiple providers and cross-site fail-over mechanisms.
- 09/15 - 11/17 **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.

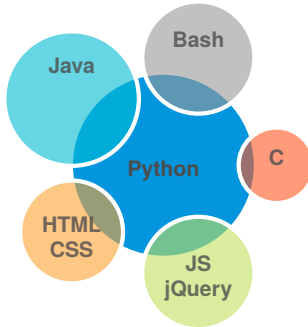
## Education

- 2017 **Invited Professor** [ISCTEM, Mozambique](#)  
Lectured the first module of Network and System's Security: Information Security Standards, Web Application Security, Security in Wireless Networks, Authentication and Encryption, Application Layer Security.
- 2014 - 2016 **Master's Degree in Informatics Engineering** [University of Coimbra, Portugal](#)  
Specialization in Communications, Services and Infrastructures.  
**Thesis Title:** *"Implementation of a distributed intrusion detection and reaction system".*  
**Course Grade** (average): 17/20 **Thesis Grade:** 19/20

## Main Skills

- Linux/Unix systems (CentOS, Ubuntu, Fedora, Free/OpenBSD)
- Configuration, maintenance and troubleshooting of numerous network devices, services and protocols: Switches and Routers (Cisco N7K/N9K/ISR/ASR/ASA/Catalysts, Dell, 3Com, HP), WLANs (limited experience with Cisco WLC 5500 Series), DHCP, DNS, FTP, VPN (OpenVPN/IPsec), HTTP(S) (Apache/Nginx with virtual hosts)
- Routing: VRFs, IPSLA, PBR, static and dynamic routing with BGP, EIGRP, OSPF
- Switching: VLANs, VTP, 802.1x, STP, ACLs, DHCP Snooping and ARP Inspection
- Setting up, configuring and maintaining Cisco ACI fabrics using Nexus 9Ks
- Network automation and configuration deployment with Ansible, with focus on the integration between Ansible, Cisco ACI and Cisco IOS
- Configuration and maintenance of BSD firewalls (pf) as well as Palo Alto firewalls (PA-5000 series), adopting Panorama as the central management and deployment tool, making use of multiple virtual systems, device groups and templates. Additional firewall knowledge includes Cisco ASA, iptables and pfSense.
- High availability and load balancing at layer 2, 3 and 7 (Bridging, Bonding, LACP, VRRP (Keepalived), CARP, Corosync, Pacemaker)
- Monitoring/Alerting (SNMP, Nagios, Icinga, NRPE, MRTG, Netdata, LibreNMS, iPerf)
- Network documentation with Confluence, Gliffy, LaTeX, Racktables, Netbox

## Programming Additional Skills



### Other info

- ❑ Driver's license
  - ❑ Willing to travel
  - ❑ Learning swedish
- ❑ Configuration management with Puppet and Ansible
  - ❑ Version control with Git (GitHub, Bitbucket)
  - ❑ Container platforms: Docker and Docker Compose
  - ❑ Limited experience with networking in Azure
  - ❑ Limited experience with Cisco ISE, Prime
  - ❑ Logging processing and data analysis ((r)syslog, Splunk, Graylog - Elasticsearch)
  - ❑ Network security tools and penetration testing (Kali, Metasploit, Nmap, Nessus, w3af, tcpdump, replaying attacks, ARP/DNS spoofing, CAM/DHCP/SYN flooding/starvation, password/WEP/WPA/WPA2 cracking, sqlmap, sslstrip, amplification attacks, etc)
  - ❑ PKI: OpenSSL x509 certificates signing, security, validation, maintenance, OCSP
  - ❑ Email: Configuration and implementation of SMTP (sendmail/postfix with DKIM, SPF, DMARC, anti-spam filters and RBLs - Spamassassin, MailScanner, DCC, Milter Greylist), POP/IMAP (dovecot) and Mailing Lists (mailman)
  - ❑ Distributed, high scale host/network intrusion detection and reaction (Snort, OSSEC, Bro, etc.) - See the "Projects" section below
  - ❑ Issue tracking with Jira
  - ❑ Limited experience with data storage systems: NetApp (AFF series), QNAP/Synology (backups and CCTV), Dell EqualLogic
  - ❑ Limited experience with Virtualization: XenServer and XenDesktop (VDI), OpenVZ and Proxmox
  - ❑ Limited experience with LDAP, AD (with group policies), Kerberos, RADIUS

## Programming

- ❑ Python: Crawlers, parsers, Flask/Falcon, Scapy (and other network related libs), etc
- ❑ Bash: Scripting and automation in general: grep, ripgrep, awk, sed, tshark, etc
- ❑ Java: EAP, EJB, JPA (Hibernate), Web Services, Struts2, PlayFramework
- ❑ SQL: MySQL/MariaDB - Indexes, stored procedures/functions, triggers. Limited experience with Oracle and PL/SQL. Limited experience with NoSQL (Cassandra)

## Projects

- |             |  |   |
|-------------|--|---|
| 2015 - 2017 | <b>Aegis</b><br>@Aegis_DEI (Twitter)     | <a href="#">Intrusion Detection and Reaction System</a> |
| 2016 - 2017 | <b>AutoSteamGifts &amp; AutoChronoGG</b> | <a href="#">Python Scripts</a>                          |
| 2015        | <b>NowCrawling</b>                       | <a href="#">Web Crawler (Python)</a>                    |
| 2014 - 2017 | <b>NowStreaming</b>                      | <a href="#">Chrome Extension</a>                        |