

**NETWORK AND SYSTEM ADMINISTRATOR**  
**NETWORK SECURITY**  
**DEVOPS**  
**WEB DEVELOPER**

## EXPERIENCE

### EnsoOrigins, Lda

October 2018 – Current date

- System analyst
- Consulting
- Network / System / Services Administration
- Network management, infra-structure maintenance
- Implement / Management of firewall's in *GNU/Linux (iptables), pfSense*
- Monitoring systems: Zabbix
- Mail systems: Zimbra, cPanel, postfix, dovecot
- Backups systems: Dell Avamar, Acronis Rapid Recovery, shell scripting
- Cyber Security: *OpenVAS, Nessus, nmap*
- Security systems, services and server *hardening* based on *GNU/Linux (Ubuntu, Debian, Fedora, CentOS, Windows Server)*
- Virtualization: *VMware, Citrix, Hyper-V*
- Implement / Configuration / Management of services in Docker and Docker-compose, creation of custom images
- Implement / Configuration / Management in Pipelines em *Jenkins*
- Atlassian Jira / Confluence / Service Desk
- System Management: Airc: SGA, SCE, ADM
- *Help-desk*, user support

### Secure Networks, Lda

April 2016 – April 2017

- System analyst
- Network / System / Services Administration
- Network management, infra-structure maintenance
- Services and solutions implementations
- GNU/Linux (iptables), OpenBSD (pf) firewall's Implementations
- Monitoring systems: Icinga2, Icinga, Nagios
- Backup systems: Bacula, shell scripting
- Security systems, hardening of services and servers based on GNU/Linux (Ubuntu, Debian, Fedora, CentOS)
- KVM, Hyper-V Virtualization
- Help-desk, user support

### EnsoOrigins, Lda

May 2013 - December 2015

- Founding partner of EnsoOrigins, Lda, whose main activity is the implementation of customized software, management systems, cross-systems and management / implementation of computer networks
- Design and implement web platforms with interconnection to Android and iOS platforms
- Managing Partner / Business Management / Project Manager
- Web Full-stack, RESTful services developer
- Network / System / Services Administrator

### Instituto Pedro Nunes

May 2008 - May 2014

- System and Network Administrator for Computer Systems Laboratory of Pedro Nunes Institute
- System and Network Management with Helpdesk support for clients, such as:
  - IPN Incubadora
  - Serviços Municipalizados de Transportes Urbanos de Coimbra
  - Sociedade Portuguesa da Inovação
  - Museu da Ciência da Universidade de Coimbra
  - Metro Mondego S.A
  - Câmara Municipal de Coimbra

- Hospital Militar Regional nº 2
- Implementation of a mobile app based on J2ME (Java Platform Micro Edition) for local transportation company: SMTUC Mobile (Java ME) (<http://www.smtuc.pt/mobile>)

## Vobis – Grupo Sonae

**April 2005 - September 2005**

- Computer Technician function where the primary activity and responsibility was repairing computers, logistics and commercial trade.

## EDUCATION

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Degree in Computer Engineering (Post-Work) - Networks and Systems Administration (Level 6) at Institute of Engineering of Coimbra

**September 2015 – September 2019**

- Network service
- Network security
- Web Programming, C/C++/C#
- CCNA 1/ 2 / 3 / 4 / Security

I attended the course of Degree in Computer Engineering (Post-Work) - Networks and Systems Administration (Level 6) at Institute of Engineering of Coimbra

**2004 - 2008**

- Electronic bases/digital systems
- Programming in C/C ++
- Operating systems GNU/Linux, Microsoft Windows.

Technological Course of Informatics (Level 4) at Avelar Brotero High School

**2004 - 2008**

- Introduction to Database
- Introduction to Pascal Programming
- Introduction to C Programming

## COMPUTER SKILLS

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### Network

- Web services: HTTP, DNS, FTP, Email
- Virtualization: XenServer, VMware, Hyper-V
- Backup solutions: Symantec Backups Exec Acronis Rapid Recovery, Dell Avamar, Bacula, Bareos,
- Shell Scripting
- Database management: MySQL, PostgreSQL/PostGIS/PgPool, Oracle, MS SQL
- Network equipment: Enterasys, Cisco, Planet, Nortel TP-Link, D-Link
- Network Security: Firewall's, Proxy's, Intrusion Detection System (IDS), Virtual Private Network (VPN), Monitoring
- Audit of network infrastructures
- Cyber Security Audits: OpenVAS, Nessus, nmap
- Monitoring Systems: Zabbix, Icinga 2, Icinga, Nagios
- Mail services: Zimbra, cPanel, postfix, dovecot, sendmail
- Clustering, KeepAlived, glusterfs, HAProxy, PgPool, DB Replication Postgres/MariaDB/MySQL
- Implement / Configuring Docker/Docker-compose
- NAS: OpenMediaVault, XigmaNAS, FreeNAS, Dell Storage
- Raspberry Pi / Arduino / ESP 8266
- Jenkins Pipelines

## Programming

- Web development: HTML, CSS, Javascript, Frameworks (Jquery, Bootstrap)
- Software development in languages such as C, C ++, PHP (CodeIgniter), SQL
- Knowledge in Android SDK development
- Wordpress/Woocommerce (<https://www.secretchordband.com>)
- Bash Scripting, Windows Batch Scripting, VBScript, Jscript

## Operating systems

- Microsoft Windows versions Server and Workstations
- GNU Linux, Fedora, RedHat, Ubuntu, Slackware, OpenSuse
- FreeBSD, OpenBSD, PC-BSD

## Others

- Microsoft Office (Word, Excel, PowerPoint), LibreOffice, OpenOffice
- Image editing in GIMP, Photoshop
- Video editing on Da vinci Resolve, OpenShotVideo, Kdenlive, Premiere Pro
- Editing and sound production in Cakewalk Sonar, Cockos Reaper, Audacity

# PERSONAL SKILLS

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## Languages

- **Portuguese:** Native language;
- **English:** Very good communication, speaking/listening and writing/reading;

## Extra-curricular/Hobbies

- Studied Jazz at the Sítio-de-Sons school in Coimbra
- Completed the 6th of RockSchool on electric guitar
- Student and teacher of electrical guitar, Rock, Blues and Jazz, about 15 years of experience, including 4 years as a professor of music instrument, both in terms of private classes and as teacher in AudioLab Condeixa school
- Semi-professional musician, participation in original bands and cover bands
- Martial arts practitioner, such as Karate (Orange belt), Kickboxing (Green belt) with participation in the Portuguese Federation of Kickboxing Muaythai and Regional Anadia 2009, among other sport modalities
- Outdoors activities: bike ride, kayak, sport fishing

## Driving license

- Light vehicle license (B)
- Motorcycle license (A)