

Rodrigo ROCHA

Systems Engineer

EXPERIENCE

Systems Engineer - *Alten for the CLS account, Ramonville*

July 2022 - December 2023

CLS provides satellite services based on the location and collection of environmental data, the observation of oceans and continental waters, and monitoring of land and maritime activities.

- **Stakeholder coordination** in relation to different data applications;
- Writing of robust documentation with Confluence, regarding operational procedures;
- Monitoring with CLS infrastructure via **Nagios**;
- **Scripting** in bash, powershell and python;
- **Software deployment** to production via git;
- Ensure the clean operation of **20 data applications**.

Salesforce Developer - *CGI for the Airbus account, Toulouse*

April 2021 - June 2022

CRM project to manage customer, loan and purchase orders between Airbus suppliers and clients.

- Planning and support for the **qualification of client needs**;
- **Development** of evolutions;
- **API - Web service** development;
- Coordination and execution of **test cases**;
- Ensure that correct **deployments** are carried out from **development to production**;
- Maintaining the platform by monitoring **support tickets**;
- **Documentation**: Update the product technical and functional specification manuals;
- **Training and supervision** of junior elements.

Systems Engineer - *SIBS, Lisbon*

February 2020 - March 2021

SIBS is a payment processor within the Portuguese banking system where it is imperative to maintain a fully operational redundant infrastructure for the smooth functioning of processes.

- **Administration** of HP/Microfocus **monitoring solution** based on Kubernetes and Docker;
- Configuration of **alarm policies** throughout the infrastructure;
- Install and **management of agents** to enable monitoring in Windows, Linux, Aix and Solaris systems;
- Collection and analysis of **client needs**;
- Coordination with different teams around the project for **incident resolution** and participation in **crisis units**.

SKILLS

Software	Confluence Apache Control M Git JIRA Nagios ServiceNow PostgreSQL Excel Crontab ELK GitHub Grafana - InfluxDB JS7 Job Scheduler Notion Syslog Sharepoint Wireshark
IT Languages	Shell PowerShell Python XML JSON Java SQL Bash MATLAB APEX SOQL
Technologies	Kubernetes Docker Postman Amazon S3
Methods	Agile - SCRUM
Systems	Linux Windows
Networks	TCP/IP BGP OSPF VLAN DNS HTTP/HTTPS FTP SMTP
Languages	English (C2) French (C1) Portuguese-native Spanish (C1)

EDUCATION

Master's degree in Telecommunication Engineering - *Instituto Superior Técnico, Lisbon*

Graduated in November 2019, Lisbon.

Bachelor's degree in Telecommunication Engineering - *Instituto Superior Técnico, Lisbon*

Graduated in September 2017, Lisbon.

RESEARCH

Research Fellow - *Madeira Interactive Technologies Institute, Madeira Island*

As an M-ITI fellow, I participated in a study to research the use of wildlife as a vehicle for passive ocean monitoring.

- Firmware development in **Python** for sensors and base stations;
- Used the **LoRa protocol** in its different configurations for metrics communication;
- **Processing of collected data** using Python using different propagation models;
- Compilation of theoretical and practical documentation in a **final project**.