Rodrigo Mourato

Personal

Name	**Rodrigo Mourato**
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Profile

Dedicated, hardworking, with availability and willingness to learn.

Aiming to always learn more and develop techniques to improve my work.

Interests

Program and learn new programming languages and technologies

Professional Experience

Since 04/01/2021
The Avigilon Decision Management System (DMS) is a 100% cloud-based, intuitive decision-making tool designed to enable the development of a future-ready security team. The DMS module's multi-faceted security approach, which leverages its deep integration with Motorola Solutions' video and access control cloud-based platforms, allows you to protect your people and sites. Its single-screen interface unifies video, access control and intrusion management, streamlining investigations and making your security teams more agile and productive. The DMS module also offers step-by-step instructions, allowing you to customize your procedures and improve the efficiency and consistency of your security team's response.
During this experience, the consultant was responsible for the following activities:

- Integrations with subsystems (Cameras, access control systems, etc.)
- Front-end
- Back-end
- Infrastructure

Frameworks:

- ReactJS
- Node-RED
- Java
- CI/CD (GitHub Actions, Kubernetes, Helm charts, Terraform)
- Microsoft Azure Cloud
- Redis, MongoDB, PostgresSQL, MariaDB

Skills

Javascript/Typescript
Expert

Node-RED
Expert

Redis, MongoDB
Expert

PostgresSQL, MariaDB/MySQL
Experienced

Java
Experienced

ReactJS
Experienced

GitHub Actions, Kubernetes, Terraform
Experienced

Azure Cloud
Experienced

Languages

Português
Native

Inglês
Fluent

Espanhol
Intermediate

Education and Qualifications

Master Sep 2022 - Present

ISCTE / University Institute of Lisbon, Lisbon

This program offered a comprehensive exploration of advanced computer engineering topics, with a particular focus on big data technologies and decision support systems. The curriculum encompassed the following key areas of study:

- **The Big Data Analytics module** : Gained expertise in the management, analysis, and interpretation of large datasets using tools such as Hadoop, Spark, and NoSQL databases. The course focused on techniques for data mining, machine learning, and predictive modeling.
- **Data warehousing and ETL processes**: I developed expertise in designing data warehouses and implementing ETL (Extract, Transform, Load) processes to support business intelligence and decision-making applications.
- **Decision Support Systems**: Design and implement decision support systems (DSS), which assist in data-driven decision-making, including optimization, simulation, and what-if analysis techniques.
- **Database Management and Optimization**: Gained expertise in advanced database management, including SQL, query optimization, and the use of relational and non-relational databases to handle complex data environments.
- **Cloud Computing and Distributed Systems**: Cloud-based architectures and distributed computing techniques, focusing on scalability, performance, and security of big data applications.

I strengthened my programming skills in languages such as Python and Java, with a focus on developing algorithms for data analysis and decision support.

Degree Sep 2017 - Jul 2020

Instituto Politécnico de Portalegre - Escola de Tecnologia e Gestão, Portalegre

Degree in Computer Engineering, having concluded with an average of 15 values. The course's primary objective was to equip students with the technical and scientific expertise required to excel in their professional pursuits. The areas of study included architecture and development of information systems, application development, infrastructure, software development, organizational management, and socio-economic aspects of information systems. Additionally, students gained insight into the scientific, technological, and socio-economic areas that underpin these subjects. It is also noteworthy that all curricular units had a high practical component, with the completion of works and projects.

Certifications

CCNA R&S: Introduction to Networks - May 2019
CCNA R&S: Routing and Switching Essentials - September 2019
CCNA R&S: Scaling Networks - December 2019
CCNA R&S: Connecting Networks - January 2020
Microsoft Certified: Azure Fundamentals - January 2024