VASCO RAMOS

Junior Infrastructure Engineer

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 vascoalramos

EDUCATION

Computer Science (M. Sc.)
University of Minho   Grade: 18 / 20

📅 Sep 2020 – Oct 2022   📍 Braga

Computer Science (B. Eng.)
University of Aveiro   Grade: 18 / 20

📅 Sep 2017 – Jul 2020   📍 Aveiro

EXPERIENCE

Junior Infrastructure Engineer
YData

📅 Sep 2022 – Present   📍 Braga

- Helped on the transition to centralized management of internal infrastructure, using IaC and GitOps.
- Revamped the CI/CD flows company-wide.
- Improved the monitoring and analysis strategy to enhance the company's effort on observability.
- Technologies: **AWS**, **Azure**, **Terraform**, **Kubernetes**, **Kustomize**, **GitHub Actions**, **Grafana**, **Prometheus**, **ELK**

Graduate Researcher
ALGORITMI Center

📅 Jan 2022 – Sep 2022   📍 Braga

- Researched solutions related to geofences and smart cities.
- Technologies: **Express.js**, **MongoDB**, **Firebase**, **GCP**

Vice Chairman
AETTUA

📅 Nov 2019 – Nov 2020   📍 Aveiro

- Coordinated a sales team of 5 students, increasing the 2019 Tech Event revenue by 30%, and an IT team of 7 students.

Software Engineering Intern
Officelan

📅 Jun 2019 – Aug 2019   📍 Viseu

- Developed a web app to help the Technical Support Team deliver better IT support.
- Technologies: **Python**, **Django**, **MySQL**, **HTML**, **jQuery**

LANGUAGES

Portuguese   ● ● ● ● ●

English   ● ● ● ◐ ○

TECHNICAL SKILLS

AWS Azure GCP Ansible Terraform
Kubernetes Kustomize Docker CI/CD
Git Python Shell JavaScript Java
Prometheus Grafana ELK TICK Redis
MySQL PostgreSQL MongoDB

PROJECTS

Intelligent Cloud Resource Manager
Accenture & University of Minho

📅 Nov 2021 – Feb 2022

- Developed a web service to collect monitoring metrics, predict future usage and recommend infrastructure actions to address future needs or constraints.
- Technologies: **GCP**, **Python**, **Express.js**, **MySQL**, **Google BigQuery**, **React.js**, **ARIMA**

Kubernetes Storage Benchmarking 🔗
University of Minho

📅 Apr 2021 – Jul 2021

- Automated a Kubernetes cluster setup on on-premise servers.
- Deployed multiple I/O-heavy applications on the Kubernetes cluster.
- Benchmarked the applications to test the performance of different storage backends.
- Technologies: **Kubernetes**, **Docker**, **Helm**, **Kubespray**, **NFS**, **Ceph**, **Python**, **Locust.io**, **Collectl**

Misago - Deployment & Benchmarking 🔗
University of Minho

📅 Nov 2020 – Jan 2021

- Automated the deployment of a web-based multi-layer application using container orchestration, monitoring and benchmarking.
- Technologies: **Ansible**, **Docker Swarm**, **Docker**, **ELK Stack**, **NGINX**, **HAProxy**, **JMeter**

MOST PROUD OF

🏆 **1st Place @ ThinkTwice Hackathon**
University of Aveiro | Mar 2019

🤝 **Mentor in the Tutoring Program @ UA**
Helped integrate and advise 20 new students | 2018 – 2020