VASCO RAMOS

Infrastructure Engineer

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SUMMARY

Results-driven Infrastructure Engineer well-versed in Terraform, Kubernetes, and Cloud (mostly AWS).
Passionate about collaborating with teams and delivering reliable products.
Eager to learn, committed to problem-solving, and always ready to tackle cloud infrastructure and DevOps challenges.
Excited to contribute to a dynamic, agile environment.

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

Infrastructure Engineer
YData
📅 Sep 2022 – Present   📍 Porto

- Implemented automated and centralized internal infrastructure management, using IaC and GitOps.
- Revamped the CI/CD flows company-wide.
- Improved the monitoring and alerting 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.

LANGUAGES

Portuguese   ●●●●●

English   ●●●●◑○

TECHNICAL SKILLS

AWS GCP Terraform Ansible Docker
Kubernetes Kustomize CI/CD Git Bash
Shell Linux Python Java NGINX ELK
Prometheus Grafana TICK Redis MySQL
PostgreSQL MongoDB Agile/Scrum

PROJECTS

Kubernetes Storage Benchmarking 🔗
University of Minho
📅 Apr 2021 – Jul 2021

- Automated the provisioning of a Kubernetes cluster 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**, **ELK**, **NGINX**

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