Diogo Gonçalves

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Employment

Channable	**Utrecht, Netherlands**	**February 2023 – Current**

DevOps Engineer
- Managed infrastructure on GCP, includes virtual machines, Cloud SQL databases, and Cloud Storage.
- Ensured system stability and reliability by maintaining Nix for declarative, reproducible system configurations, while simultaneously automating infrastructure provisioning and configuration using a combination of Infrastructure as Code (IaC) tools such as Terraform and Ansible. This integration led to heightened efficiency and a reduction in manual errors.
- Deployed custom Prometheus exporters and Grafana dashboards to monitor application performance metrics and resource utilization.
- Developed a comprehensive disaster recovery plan encompassing backup and restoration procedures, failover mechanisms, and business continuity strategies, ensuring minimal disruption in the event of system failures or disasters.

Bsolus	**Braga, Portugal**	**October 2020 – November 2022**

Software Engineer
- Architected a Marketing Automation platform based on state-of-the-art micro-service patterns, implemented the system using NestJs, MongoDB, and Docker.
- Developed the CI/CD pipeline, creates a docker image in BitBucket and deploys it to GCP.
- Created an abstraction layer for Jest to reduce developer workload and simplified integration tests.

Education

University of Minho	**Braga, Portugal**	**October 2016 – April 2022**

- Master's in Software Engineering (specialized in Computer Graphics and Parallel & Distributed Computing)
- Bachelor's in Software Engineering

Technical Experience

Projects
- **Zulip** [Ansible, GCP, Docker]
  - Deployed Zulip on the GCP with Docker-swarm and Ansible
  - Configured System monitorization with the ELK stack
  - Load tested the deployment with JMeter

Skills

- **Programming Languages**: Python, C++, C, Typescript, Haskell, Nix, Bash;
- **Software**: Prometheus, Grafana, Alert Manager, Docker, PostgreSQL;
- **Tools**: Git, Github, Ansible, Agile, Jira, Docker, Postman, Confluence;
- **Languages** English (C2 level), Portuguese (Native);

Volunteer Experience

CoderDojo	**2018-2019**

Mentor
- CoderDojo is a free, non-profit organization which aims to develop basic programming and algorithmic skills in younger people (ages 7-17).