



## ARNAU AMARGANT DOMENE

I am a DevOps professional with a two-year track record in managing and ensuring full time availability of two containerised multi-instance applications deployed globally with Openshift/Kubernetes. Recently, I assumed the responsibility of on-call duty. I characterise myself as a dedicated individual with a profound interest for emerging technologies.

24/02/1994

Living in Nice, France

From Barcelona, Spain

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## SKILLS

Python

Bash Scripting

Jenkins

Openshift / Kubernetes

Docker

Prometheus / Grafana

Kafka / Strimzi

Linux OS/Commands

Helm charts

Couchbase

JFrog Artifactory

Ansible

Terraform/Terragrunt

## CERTIFICATIONS

- Certified SAFe 5 Practitioner
- Advanced Open Water Diver

## LANGUAGES

- English (C1)
- Catalan (Native)
- Spanish (Native)
- French (A1)

## WORK EXPERIENCE

### Cloud DevOps Engineer / SRE

Amadeus · Nice, France · March 2022 - Present

- Design, deployment and maintenance of containerised applications in production environments, utilising platforms such as Openshift, Kubernetes, and Docker.
- Leading the execution of blue-green deployments using Jenkins Pipelines, ensuring meticulous oversight and verification of system integrity.
- Implementing CI/CD automation through Jenkins pipelines, ensuring efficient and streamlined development and deployment processes.
- Applied expertise in container monitoring and visualisation, utilising tools such as Prometheus and Grafana to ensure optimal performance and reliability.
- Cloud Providers we are deployed at and I am familiar with are GCP and AWS, with a current epic involving the migration of 10% of the workload to Azure.
- Sheriff role, incident management and actively participating in the investigation and resolution of issues.
- Recently participating in on-call rotations, collaborating with a team of 10 members to ensure continuous system availability and prompt response to emerging challenges.
- Provided mentorship to three newcomers fostering their professional development.

### Software Developer Internship

OS Sys & Com. · Barcelona, Spain · October 2020 - July 2021

- Partially designed a software solution for an automated cash payment machine, responsible for implementing features in C# to meet specified requirements. Handled both front-end (WinForms) and back-end (LLBLGen) development within a layered architecture application.
- Implementation of backend MySQL Databases tailored for a cash machine, ensuring optimal functionality and data integrity.

## PROJECTS

### IaC with Terraform and AWS [↗](#)

- Provisioning of a VPC network architecture, partitioned into private and public subnets distributed across Availability Zones, complemented with NAT gateways and routing tables configured systematically via Terraform modules.
- Integrated with GitHub Actions, ensuring code validation and linting, while enabling continuous deployment by automatically applying changes to AWS upon repository pushes.

### Network automation [↗](#)

- Creation and design of a multilayered architecture network with layer 3 NEXUS switch and the automation of the network protocols and interfaces (HSRP, VLANS, static routes,...) configuration with Ansible playbooks.
- Extraction of data within the network (packets and routes) with python scripts using the NETCONF and RESTCONF protocols targeting the YANG data models on the switches.

## EDUCATION

### Universitat Politècnica de Catalunya

#### MD in Blockchain Technologies

Barcelona, Spain · September 2021 - November 2022

### TecnoCampus University

#### Computer Science and Engineering Degree

Mataró, Spain · September 2017 - June 2021