Alejandro Roca Arroyo

SRE/DevOps Engineer

Madrid, Spain

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Profile

Problem-solving, pragmatic and curious.

Currently working as SRE/DevOps engineer with tasks like:

- Provision Cloud Services using IaC
- Maintain and Deploy K8s applications
- Building CI/CD pipelines following GitOps practices
- Set up metrics and log stream monitoring
- Network administration
- Incidence management and root cause analysis
- · Cloud services administration
- Users administration
- Learning and testing whatever comes around!

Skills

AWS (EC2, EKS, ECR, RDS, VPC, CloudFront, Lambda, CloudWatch, Route 53, MSK, IAM, S3...)

Infrastructure as Code (*Terraform*)

Kubernetes (ArgoCD, Kustomize, Helm, AWS Load Balancer Controller, External DNS, Karpenter, Cluster Autoscaler, Keda, Prometheus, Grafana, EFK)

CI (Jenkins, Github Actions, Gitlab CI)

Python | Go | R | Linux | GitOps

Other Tools (Git, Docker, Docker-compose, Datadog, Jira, Markdown, SQL, MongoDB, VS code, TDD)

Experience

Nov 2023 - present Remote

Senior DevOps Engineer, Mr. & Mrs. Smith ∂

Feb 2022 - Nov 2023 Remote

SRE/DevOps Engineer, Fever ∂

- Deployment of cloud infrastructure for the company's needs
- Terraform modules development
- · Data Team infrastructure management
- Datadog initial set up
- MSK and MSK Connectors configuration
- · Security assessments

Nov 2021 - Feb 2022 Remote

DevOps Engineer, Byhours *⊘*

- DevOps responsibilities for the different Product Teams of the company
- Migrate VM based apps to Kubernetes
 - Created repository for provisioning and configuring the required infrastructure through git commits
 - Repository to bootstrap a Kubernetes cluster with basic monitoring, service mesh and a demo app, all following GitOps principles and reconciliation loops
- Cloud costs optimizations
 - Achieved 30% cost reduction within the first 3 months

Oct 2019 - Nov 2021 Madrid, Spain

Artificial Intelligence Engineer, HI Iberia ∂

- In charge of **DevOps** principles application for the different IA based projects. Including CI/CD pipelines with Gitlab CI, Docker dev/prod images, MLOps, automatic testing, code quality
- Project-oriented team working on state-of-the-art solutions and technology demonstrators for AI applications in different industries.
- Design and Development of Computer Vision applications for Defense, responsible for the AI models.
- Technical Lead in a project on New Materials Discovery to get better batteries.
- Broad experience with technical and dissemination presentations.

Apr 2017 – Jul 2017 Madrid, Spain

English Teacher, Centro de Extensión Educativa y Formativa Substitution as an English Teacher for 3 years-old, primary and high school students, as well as adults.

Education

Aug 2017 – Jun 2019 Aarhus, Denmark

Msc. Bioinformatics, Aarhus University

Central courses include Algorithms in Bioinformatics, Population Genomics, Next-Generation Sequencing, and Advanced Statistical Methods in Bioinformatics.

Sep 2012 – Jun 2017 Madrid, Spain

Bsc. in Biotechnology, Universidad Politécnica de Madrid

Following Computational Biotechnology Itinerary

Sep 2015 - Jul 2016 Zagreb, Croatia

Erasmus Exchange, University of Zagreb

Erasmus exchange student and Bachelor Thesis



Languages

Awards

English

Highly proficient in speaking and writing

Best Performance Model in the final assignment of "Statistical and Machine Learning in Bioinformatics",

BiRC, Aarhus University

Spanish

Native

Interests

Self-Hosting Services for Family and Friends *⊘* (Nextcloud, Bitwarden, VPN, AdGuard and growing!)

Kubernetes | Hiking | Gaming | Travelling