Héctor Bállega

DevOps Engineer

🌐 Born in Madrid, Spain

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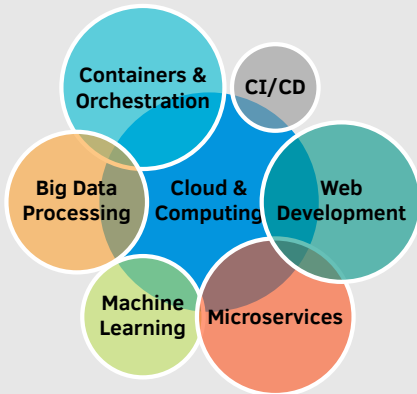✉ hector@ballega.com

in /in/hectorballega

 hectorballega

Skills ──────────

Overview

Programming Languages

Go, Scala, Python, Javascript, Dart, C, Bash, SQL.

Frameworks and Tools

Docker, Kubernetes, Jenkins, ArgoCD, Prometheus, Grafana, Netdata, NodeJS, Flask, Kafka, MySQL, Git, Google Cloud, AWS & LaTeX.

Honors ──────────

Large Scale In-Database Machine Learning Using Cloud Native Workflows
Msc Thesis research, in this work we present a cloud-native approach to perform in-database machine learning. We extend a SQL engine to support models trained to solve image recognition tasks over image datasets persisted on a relational way.

EIT Digital Master School scholarship
Winner of the scholarship as one of the highest-ranked applicants to the program for the 2018-2020 two-year period.

Introduction

I am a passionate cloud engineer with interest in cloud native applications, big data architectures and automation of software delivery with CI/CD and DevOps tools.

Education

2018 - 2021	**Msc., Computer Science**	TU Delft, Netherlands

Double degree Master's programme with major in Cloud Computing and Services and a minor in Innovation & Entrepreneurship.
Exit year specialization: Distributed Data Processing.

2018 - 2021	**Msc., Computer Science**	Aalto University, Finland

Double degree Master's programme with major in Cloud Computing and Services and a minor in Innovation & Entrepreneurship.
Entry year: Cloud Computing and mobile services.

2017 - 2018	**BEng., Software Engineering**	Mälardalen University, Sweden

Erasmus scholarship during one academic year in Västerås, Sweden.

2014 - 2018	**BEng., Software Engineering**	Polytechnic University of Madrid, Spain

Bachelor's degree in Software Engineering.

Experience

Feb 2020 - Now — **DevOps Engineer** — Geoblink, Madrid

- Projects: Kubernetes services orchestration, CI/CD automation, platform observability, infrastructure as code, among other.
- Tasks:
- **Stack:** Kubernetes, Docker, Golang, Jenkins, Prometheus, Grafana, Datadog, BigQuery, Terraform & Ansible.

March 2020 - Aug 2020 — **Automation & Cloud Engineer** — Rabobank, Utrecht

- Projects: Design, development and implementation of different cloud solution on Microsoft Azure.
- Tasks: Assist the development teams on the creation of CI/CD pipelines and in the design and definition of different cloud services.
- **Stack:** Azure Pipelines, AKS, CosmosDB, Active Directory, Azure API Management.

May 2019 - Aug 2019 — **Research Assistant & Fullstack Developer** — Aalto University, Helsinki

- Projects: A+ automated grading system.
- Tasks: Development of a web application using Flask, Javascript and Docker containers with automatically-graded assignments for a master level course in Mobile Cloud Computing.
- **Stack:** Python, Flask, NodeJS, Android, Bash, Docker.

Feb 2017 - Sep 2017 — **Web Software Developer** — Talentum Startups, Madrid

- Projects: Jocomunico, the AAC app that speaks naturally.
- Tasks: I worked as a full stack developer on Jocomunico, an Augmentative and Alternative Communication (ACC) app that expands telegraphic language resulting from pictograms into natural language sentences. The goal is to help persons with severe speech impairments to communicate through pictograms. The application has been developed under the talentum startups programme by Telefónica.
- **Stack:** Javascript, NodeJS, Angular, MySQL, HTML5 & CSS3.