

# Adam Barreiro Costa

adambarreiro.com

Updated December 19, 2025

Senior Software Engineer with 10+ years of experience in backend development and DevOps. Strong background in Java and Go, with strong expertise in Kubernetes, Terraform and CI/CD pipelines in large-scale enterprise environments.

## Experience

### Senior Software Engineer

- Key contributor to the development of a cloud adapter for vRealize Automation, enabling VMware Cloud Director to be consumed as a standard cloud provider.
- Contributed to the development, automation and testing of the open source Terraform provider for VMware Cloud Director and VMware Cloud Foundation Automation (10+ million downloads, used by large enterprises such as Arvato, Telefónica, Porsche, Swisscom, and Volkswagen).
- Contributed to the development of the Terraform providers underlying Go SDK.
- Implemented an extension of VMware Cloud Foundation Automation to flawlessly migrate virtual machines and other workloads from VMware Cloud Director.
- Worked remotely in distributed teams across multiple time zones, with a strong focus on asynchronous communication and written-first documentation.

### Software Engineer / DevOps

- Established a modern CI/CD landscape in three CRM area projects, moving from VMs to Docker and Kubernetes, SVN to Git, and manual deployments to Jenkins.
- Trained colleagues on these technologies.
- Built from scratch the whole CI/CD landscape for Creators Club, the Adidas loyalty program, following a GitOps approach, that decreased deploy time from ~3h to ~5min and time to market from 4 weeks to 1 week.
- Built the monitoring setup for Creators Club from scratch. Oncall establishment with OpsGenie and automated response to outages with Jenkins.
- Developed Spring Boot services in an event-driven architecture with Kafka for Creators Club.
- Participated in the migration of Creators Club services and their database from on-premises to AWS.

### Solutions Analyst

- Contributed to adding new features to a Java framework for Caixabank.
- Contributed to adding new components to a UI framework made with vanilla JS for Caixabank.

### Junior Consultant

- Contributed to releasing new features in Carrefour eCommerce, like a brand-new shopping cart or "click and collect".
- Started from scratch a website for E-ON, to ease client management and acquisition.

### Programmer

- Contributed to migrating Carrefour eCommerce to a newer version of Oracle ATG.
- Worked here half-time while doing my final project at the University of Zaragoza.

### Intern

- Migrated the Desigual B2B website from MySQL to OpenCMS.

### VMware

May 2021 – December 2025

*Promoted in 2023*

<https://github.com/vmware/terraform-provider-vcd>  
<https://github.com/vmware/terraform-provider-vcfa>  
<https://github.com/vmware/go-vcloud-director>

### adidas

April 2017 – March 2021

*Promoted in 2020*

### everis (NTT Data)

April 2015 – March 2017

*Promoted in 2016*

### Capgemini

June 2014 – March 2015

### Capgemini

October 2013 – May 2014

### Capgemini

Summer of 2012

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## Education

**BSc and MSc in Computer Science Engineering**  
5-year degree, 351.5 LRU credits (~281.2 ECTS credits)

**University of Zaragoza**  
September 2008 – May 2014

**BSc in Mathematics**  
4-year degree, 240 ECTS credits (part-time)

**U.N.E.D.**  
September 2018 - Now

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## Skills

### Languages / Frameworks

Groovy, Go, Java, JavaScript, Shell scripting, Spring Boot

### Certifications

Oracle Certified Associate, Java SE 8  
Programmer (2017)

**Cloud / DevOps**  
AWS, Docker, Jenkins, Kubernetes, Terraform

Akamai Web Performance Foundations  
(2018)

**Architecture and best practices**  
Agile, DDD, Extreme Programming, GitOps, SOLID, TDD, Scrum

Certified Kubernetes Administrator (2021)

Certified Kubernetes Application  
Developer (2021)

HashiCorp Certified: Terraform Associate  
(2022)

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## Languages

**Spanish**  
Native

**English**  
Full professional proficiency

**Portuguese**  
Basic proficiency