

Alberto Zugazagoitia

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EDUCATION

Polytechnic University of Madrid

BA in Software Engineering, Average grade: 7.1/10

Madrid, ES

Sep 2018 –

PROJECTS

Javalin SSL

Jul 2022 –

- Developer and maintainer of a SSL configuration plugin for Javalin, a lightweight web framework for Kotlin and Java.

Knag (Final Degree Project)

Feb 2022 –

- Designed and implemented an open source Algorithmic Trading SaaS platform.
- Used a cloud-native approach involving REST micro-services on the Kubernetes platform.
- Deployed both on a local cluster and Google Kubernetes Engine.

Web Administrator - Dyze Brand

Aug 2017 – May 2021

- Deployed, configured and maintained a WordPress e-commerce website on a LEMP stack for a clothing brand.
- Hosted mail servers. Configured DNS and a CDN through Cloudflare.

Science Club

Sep 2015 – Aug 2018

- Co-founded a research and development group for students at Santiago Apóstol School.
- During my time in the club we became 40 active members and carried several big projects.
 - Micro-biological bacteria research project on Petri dishes.
 - Won the Marine Instruments Solar Regatta for three consecutive years by building a solar powered RC model ship.
 - Developed and taught a 3D printing course for classroom applications to both teachers and students.

VOLUNTEER EXPERIENCE

Bokatas

Madrid, ES

Volunteer

Sep 2021 – Jun 2022

- Currently volunteering in Bokatas Peñalber, where we visit homeless people while providing them with a hot dinner. Our main goal is to humanize them and eventually get them out of the streets.

InteRed

Madrid, ES

Math Teacher

Sep 2018 – Jun 2019

- Collaborated as a volunteer getting disadvantaged children up to speed with their math classes, at the Luz Casanova School for InteRed.

ADDITIONAL

- Relevant Coursework: Data Structures, Algorithms and Complexity, Computer Systems, Distributed Systems, Databases, Information Security, Service Oriented Architectures.
- Knowledge of POSIX/Linux systems, both from a development and administration standpoint.
- Experience with Kubernetes distributed architectures in both Provider and Self-Managed clusters.
- Proficient Programming Languages: C, BASH and Java. Also proficient in SQL and relational DBs.
- Native in Spanish and Galician, professionally fluent in English, conversational in Portuguese.