

# Alberto Zugazagoitia

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## EDUCATION

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### Polytechnic University of Madrid

*BA in Software Engineering , Average grade: 7.1/10*

Madrid, ES

*Sep 2018 –*

## PROJECTS

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### 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 microservices 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.
- 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 Marine Instruments's Solar Regatta three 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

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### 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

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- 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 using Ansible , Vagrant and other IaC tools alongside Docker containers.
- Experience with Kubernetes distributed architectures in both PaaS and Self-Managed clusters.
- Experience building DevOps pipelines on top of GIT repositories, using GitHub Actions and Travis CI.
- Practical Knowledge of Software Development Methodologies such as Agile, Waterfall and SCRUM.
- Proficient Programming Languages: C, BASH and Java. Also proficient in MySQL and relational DBs.
- Native in Spanish and Galician, professionally fluent in English, conversational in Portuguese.