# Pablo Jiménez Mateo, PhD

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This PDF is also a bootloader. Check it out!

#### WORK EXPERIENCE

## Senior DevOps Engineer

#### Beyond You

Mar 2023 - Present

- · Designed and developed the backend and frontend for Beyond You website as the only developer (Django, React, Chackra, Zustand, Postgres)
- · Sysadmin of all the servers, as well as network configurations, SSL and high availability (**Docker compose, Linux, nginx**)
- · Manager of all the Amazon Web Services, in charge of the migration to IBM Cloud (AWS CLI, Python, IBM, Sysadmin)
- · Fully automated the production pipeline, moving from a manual method and reducing the pipeline time from 10 days to 22 hours (**Django**, **Celery**, **Linux**, **Cloud Computing**, **monitoring**)
- · Set up systems to ensure data integrity, security and complying with ISO 27001

## Senior Full Stack Engineer

 $\mathbf{BigML}$ 

Dec 2021 - Mar 2023

- · Develop, train and deploy machine learning models (anomaly detectors, image recognition) (**Lisp**, **Django**)
- · Maintainer of legacy production code, in charge of upgrading the dependencies and improve upon existing projects (**Django, bash, docker**)
- · Worked collaboratively as full stack developer on Accushoot (Django, Vue)
- · In charge of cleaning unused objects from a legacy MongoDB database and migration to Google Cloud (MongoDB, Google Cloud)

### Telecommunications researcher

**IMDEA Networks** 

Sep 2016 - Dec 2021

- · Reverse-engineered firmware blobs of a embedded 60 GHz antenna from MikroTik routers to enable extra functionality, adapt Linux drivers (Ghidra, Python, ARC assembly, C, Linux Kernel)
- · Developed and deployed robust automation code to perform thousands of measurements with faulty hardware (**Python, MATLAB**)
- · Worked closely with external developers to bring academic achievements to industry (Huawei)

### LANGUAGES AND TECHNOLOGIES

- · Skilled in Python, JavaScript and React. Work experience with SQL, R, Matlab, Java. Past Experience with C# and C++.
- · Hands-on experience with AWS, Docker, Docker Compose, CI and CD systems (Gitlab CI/CD, GitHub), software lifetime management tools (e.g., JIRA), performance and profiling applications (perf, custom tools)
- · English (fluent, C1); Spanish, Catalan (native)

## **EDUCATION**

#### Universidad Carlos III de Madrid

Sep 2016 - Dec 2021

- · PhD. (4-year degree) in Telematics Engineering, December 2021
- · M.Sc. (1-year degree) in Telematics Engineering, September 2017

## Universitat Jaume I

Sep 2009 - Nov 2016

- · M.Sc. (1-year degree) in Intelligent Systems, November 2016
- · B.S. (4-year degree) in Computer Engineering, specialty in Information Technologies, July 2015
- · B.S. (4-year degree) in Computational Mathematics with intensification in Mathematics, July 2014