Carlos María Rodríguez

DEVELOPER & MATHEMATICIAN

About me

Spain-based developer with 4 years' experience. Looking forward to new challenges, and excited to keep learning.

Centered on web-based services, with full-stack experience, and a focus on quality, clean code.

Programming environment

★ Arch Linux, Ubuntu
★ VIM

Languages

Spanish - Native

English - High

Catalan - Medium

German - Beginner

Contact

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WORK EXPERIENCE

Full-stack developer

MAR 2017 - Present | WALCU

Walcu is a SaaS provider aimed at car dealerships. I joined in its inception, a team of 3 developers, and it has grown into a profitable venture with clients among some of the biggest contenders in the business. A few of the projects I worked on were:

★ **Starfinder**
A universal web crawler used in every other one of our services, I've been the lead developer since I joined.
Distributed among *multiple servers* and *AWS Lambda*, built using *Headless Chrome,* RabbitMQ and Docker.

★ **Walcu CRM**
Our main product, I work on it as a full-stack developer. Built with Node, *React & Redux*, integrations with Whatsapp, Twilio, Zapier & more. Divided in 4 different services for better scalability.

★ **Walcu CarWatch & Tasator**
Tools designed around data gathering & processing. I was lead developer on CarWatch, a *Vue* based web, and worked on Tasator, an API.

★ **Several Chrome extensions**
For better integrations, features & data crawling.

Developer

FEB - MAR 2017 | IXION INDUSTRY & AEROSPACE

Ixion is a robotics company based in Spain, with a focus in Drone navigation & AI technology.

★ Worked in repositories with hundreds of other employees.
★ Coding in *C++* and *MATLAB*
★ Artificial Intelligence, Machine Learning, Robotics and Drones.

SKILLS

- ★ **Full-stack Developer**
  Node, React, Vue
- ★ **Databases & Storage**
  MongoDB, Redis, AWS S3, mySQL
- ★ **Cloud**
  Heroku, EC2, OVH, Docker
- ★ **Web Crawling**
  Headless Chrome, PhantomJS, Puppeteer, VPNs
- ★ **Other programming languages**
  Go, MATLAB, C++, Java, Haskell
- ★ **Other tools**
  AWS Lambda, RabbitMQ, Electron
- ★ **Paradigms**
  Agile development, CI, Functional Programming

STUDIES & EDUCATION

- ★ **Universitat Politècnica de Catalunya**
  2012 - 2017 | BARCELONA
  Degrees in Mathematics & Computer Science, through **CFIS**
  CFIS is a grant given to 30 students every year, which allows the study of two simultaneous degrees

- ★ **Colegio San Francisco de Paula**
  2010 - 2012 | SEVILLA
  Spanish & International Baccalaureates

- ★ **Mathematical Awards**
  Participant in Spanish Mathematical Olympiad, 2º place in first phase (2011)
  Two-times Andalusian olympiad winner (2011-2012)
  Granted participation in various mathematical incentivising programs (2008-2012)

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