

Marc Tudurí

SITE RELIABILITY ENGINEER

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Experience

Site Reliability Engineer/Backend Engineer

Palma, Spain

Advanced Programming Solutions (APSL)

May. 2014 - present

- Modernized cloud architecture using Kubernetes. Automatized deployments and infrastructure with Helm and Terraform.
- Improved systems observability (monitoring, tracing, logging) with Prometheus and Stackdriver.
- Standardized development tools for the development team such as web frameworks, testing tools, CI tools...
- Build distributed pipeline solutions for ETL projects. Mobile platform backend support with REST services.

Software Engineer

Palma, Spain

mola.com

Aug. 2012 - May. 2014

- Full stack web development of more than 10 projects of the company. Mentored intern developers.

Software Developer

Palma, Spain

Tideas.com

Sept. 2011 - Aug. 2012

- Developed the whole site from the scratch. Designed and implemented a scalable database architecture.
- Built an intelligent assistant using data mining and probabilistic techniques.

System Administrator

Palma, Spain

University of Balearic Islands (UIB)

Sept. 2010 - Sept. 2011

- Administrated a small cluster of computers in a GNU/Linux lab.

Research Assistant

Palma, Spain

University of Balearic Islands (UIB)

Sept. 2008 - Sept. 2010

- Researched on metabolic pathways for the Bioinformatics and Computational Biology research group.

Education

M.Sc. in Computer Engineering

Palma, Spain

University of Balearic Islands (UIB)

2006-2011

- GPA: 82/100. Final thesis project: *Alignment of metabolic pathways using Petri nets* (graded as Excellent).

Bioinformatics and Computational Biology Master

Madrid, Spain

Complutense University of Madrid (UCM)

Summer 2008

- Summer course with a total duration of 100 hours.

Projects

Kubernetes Database Controller

Database controller for Kubernetes that allows users to provision on-demand databases.

2018

Puput

Powerful and simple app to manage a blog. Wagtail app with most stars on GitHub.

2015

Others

Contributor of open source projects: *Heptio Ark, Django, django-extensions, django-filters...*

Talks & Publications

LSTM networks to forecast electrical consumption

Cáceres, Spain

PyConES 2017

Sept. 23, 2017

MP-Align: alignment of metabolic pathways

BMC SYSTEMS BIOLOGY

May. 20, 2014

Local piecewise alignment of metabolic pathways

BIOTECHNO

Venice, Italy

May. 22, 2011