

PROFILE

A hard working operations manager and full stack developer, Eduardo has worked six years for multinational companies, specialising in open source web software analysis and development. Former IT manager in a fast-growing company, he is able to work well under pressure and assuming challenging responsibilities. Eduardo is now open to new opportunities.

EXPERIENCE

CONTRACTOR - FULL STACK ANALYST/DEVELOPER – 2015-NOW

Development of cloud-based software solutions for startups, small and medium sized companies using Python, Django and Amazon Web Services (AWS).

- Design and implementation of heavily used backends for web and mobile products.
- Cloud infrastructure systems design, implementation and management.
- Design and execution of systems integration.
- Operation management: Performance monitoring, databases management, continuous integration and deployment.

Companies:

- Vodafone Next Generation Services, Auckland. February 2017 - June 2017.
- Lime Dating App. August 2016 - November 2016.
- LegalKite. May 2016 - November 2016.
- Posterscope / Coca-Cola Spain. December 2015 - August 2016

IT MANAGER, STARLAB BARCELONA – 2013-2015

FULL STACK DEVELOPER, STARLAB BARCELONA – 2013

Star2Earth, Starlab's science to market division, provides advanced solutions integrating satellite-derived Earth Observation data together with other types of data, to create products and services of added value for decision-making in different sectors.

- Leading a team of three developers and system administrators overseeing daily operations.
- Ensuring projects were completed on time and within budget. Requirement analysis and formal specification for clients such European Space Agency (ESA), European Commission (EU) or Barcelona's city council.
- Office relocation conceptualization and execution of move to new offices.

- Participated in the entire development lifecycle in multiple development projects (Waterfall model): Conception, initiation, analysis, design, construction, testing, implementation and maintenance.
- Administration of multiple on-site Linux servers. User management, load-balancing, monitoring, backup and recovery.

BUSINESS APPLICATION ANALYST/DEVELOPER, GIESECKE & DEVRIENT GMBH –
2009-2012

Definition and redefinition of processes involving software solutions.

- Project management. Implementing a software solution for managing variable remunerations for directors and middle managers.
- Development of software solutions used in Banks, Currency factories and Security companies.

EDUCATION

POLYTECHNIC UNIVERSITY OF CATALONIA – COMPUTER ENGINEERING, 2011

CERTIFICATES

AWS DEVELOPER ASSOCIATE - AMAZON WEB SERVICES, 2017

ITIL V3 FOUNDATION – PEOPLECERT GROUP, 2011

PUBLICATIONS

A comparative study of RADAR Ka-Band Backscatter [Read](#).

An experimental and Theoretical Comparative Study of RADAR Ka-Band Backscatter
[Read](#)

SKILLS

Project management, need detection, specification and requirement analysis with clients.

Programming languages and frameworks: Python, Django, REST API, PostgreSQL, MongoDB, Postgis, Elasticsearch Javascript, HTML, CSS, Scss, Less, jQuery.

DevOps tools: AWS OpsWorks, Docker, Cloudformation and Puppet.

AWS Services: DynamoDB, S3, Lambda, EC2, RDS, SQS, ElastiCache, IAM, Elastic Beanstalk and Cloudwatch.

Systems: Linux, Bacula, Nagios, backup management and recovery.

Projects

PARTNER PORTAL & XPORT - VODAFONE NEXT GENERATION SERVICES – 2017

Development of web applications used by personnel at Vodafone to manage and analyse Vodafone Next Generation Services' leads, sales and operations.

- Design and implementation of deployment pipeline. Regression and web testing, packaging, deployment and monitoring.
- Design and implementation of process to update production site to latest django version.
- Implementation of new features in Python 2.7/Django 1.5 and 1.11

LIME DATING - C & Z TECH LTD – 2016

Dating app that match users based on their location and activity level with more than 1M registered users.

- Implementation of backend for a mobile app using Python, Django-Rest-Framework, MongoDB, Javascript Web Tokens, Unittests.
- Setting up auto-scalable environment with the following AWS services: Elastic Beanstalk, SNS, SQS and EC2. Architecture definition with AWS Cloudformation. CD with AWS CodePipeline.

LEGALKITE – 2016

LegalKite is the first legal annotation platform for professionals of the Swiss legal industry.

- Design and implementation of backend for mobile and web apps using Python, Django-Rest-Framework, PostgreSQL, Elasticsearch, Docker and Swagger.
- Provisioned with the following AWS services: Elastic Beanstalk, RDS, SQS, SNS, Elasticsearch and S3.

HIRELUTHER - KALISTO INGENIERIA – 2016

Luther connects you with the best product managers and top 1% software developers from a vetted talent pool.

- Implementation of admin dashboard for projects managers to manage software development projects. Implementation in Django 1.10

- Analysis and implementation of a bot and its integration with Slack and Intercom API to facilitate the communication between project managers and clients. Implementation in Python 3.4

BACKSCATTER LIBRARY - STARLAB BARCELONA S.L – 2015

In the framework of the European Space Agency project “Ka-band SAR backscatter analysis in support of future applications”, the following roles were assumed:

- Software analyst. Interviews with ESA personnel. Need detection, design and specification of a software solution to analyze Ka-band SAR images.
- Project management: Ensuring requirements were met and within budget. Task planning and delivery. Maintaining contact in networks relevant to Starlab’s areas of activities.

IARBOL - STARLAB BARCELONA S.L – 2014

Within the framework of the Barcelona’s city council program “Barcelona Smartcity”, iArbol offers the ability to detect anomalies in urban trees.

- Implementation of Image Satellite (MODIS) processing chain to extract relevant data to detect anomalies in trees and notification to key personnel. Python 2.7
- Implementation of a web application to visualize, manage and report critical locations where trees required preventive or corrective actions. Implemented in Python 2.7, Django, HTML, CSS3, Javascript, Google Maps API, PostgreSQL and Postgis.

ASIMUTH - STARLAB BARCELONA S.L – 2013

Developing forecasting capabilities to warn of impending harmful algal blooms.

- Implementation of a web application to analyze, visualize and predict future algal blooms in Python 2.7, Django, HTML, CSS, Javascript, jQuery, Openlayers, PostgreSQL and Postgis.
- Data integration with other parties implied in the project.