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Software Developer

Summary

I am a Software developer mainly focused in **web development**. Although I have been using different programming languages like PHP or Python I finally moved to **Ruby**, mainly because of its understandability and its clarity when writing code. On the other hand I'm also a **machine learning**/big data enthusiast by doing some courses and reading different books and blogs.

Core Competencies

- Ruby
- Ruby On Rails
- Scrum
- TDD
- Mysql
- MongoDB
- Neo4j
- PostgreSql
- Git
- Machine Learning
- Docker
- CircleCi
- SQS
- Api Gateway
- S3

Professional Experience

Tech Lead

2017 - now

DigitalOrigin

As a Backend Tech Lead I am in charge of keeping our projects consistent, reliable, fault-tolerance and scalable on the Backend side. Moreover, I am constantly looking for improvements between our micro-services communications and their dependencies. On the other side, I have been hiring new developers, defining development rules to improve code quality and integrating continuous integration tools like Codeclimate or Circleci.

Senior Software Developer

2015 - 2017

DigitalOrigin

QuéBueno (www.quebueno.es)

Web application created at the beginning as a monolith and split into an AngularJS Frontend and a Ruby on Rails API using JWT for authenticating HTTP requests. For background jobs we have been using Amazon SQS and as a database we used MongoDB and Mysql.

PagaMasTarde (www.pagamastarde.es)

Web Application based on micro services done in Ruby on Rails using Mysql as database, SQS for background job processing and API Gateway to create a single entry point for public requests. We have been using Docker in development environment in order to recreate production environment connecting all services needed.

Junior Software Developer

2014 - 2015

Opscaling

Maintenance and improving FC Barcelona webpage (<https://www.fcbarcelona.com>) using an in house CMS called Ubiquo. The CMS was done in Ruby on Rails using a Mysql database, Varnish as HTTP cache and Nginx as a web server.

Junior Software Developer

2013 - 2014

IngravityMedia

MySexDatabase

API done in Ruby on Rails using a PostgreSQL database in Heroku. This API was consumed by a mobile app that allowed a user to find people next to you with specific characteristics.

Push (<https://www.pushtech.com>)

Web Application done in Ruby on Rails and MongoDB with the goal of sending SMS, Emails and Push notifications to the users. Some part of the API was migrated to Grape in order to split the monolith in a single API consumed by an independent frontend. We have been also using Redis and Resque for background jobs.

Software Developer Internship

2013 - 2013

SENER

Maintenance of a Java web application in charge of managing electric expenses for train's infrastructure. Moreover I have been using Matlab for electricity formulas.

Software Developer Internship

2011 - 2013

Telefonica I+D

In this company I have been working in several projects:

- **Recommendation System** in charge of suggesting you what to do when you visit a new city. This web application has the FE in html, CSS and JS using an API done in Scala.
- **Movie Recommendation system** done in Java, MongoDB and Mahout library in order to do Collaborative Filtering.
- **Web application in charge of recommending places** that the people around you have already visit. For doing so we used Neo4j database and Java on the backend side, and Python and Django on the frontend side.
- **Twitter messages LED panel** done with Python and Twitter API.

Education

Product Owner Course

2017 - 2017

Jerónimo Palacios (<https://jeronimopalacios.com>)

Computer Engineer Degree

2010 - 2014

Universitat Autònoma de Barcelona (UAB)

Machine Learning Course

2013 - 2013

Courser

Secondary School

2009 - 2010

Escola Municipal de Treball (EMT)

Languages

English



Professional Skills. I've been doing presentations, meetings and video conferences.

Spanish



Native

Catalan



Native

Projects

Final Degree Project

T-shirt prediction system in charge of guessing what t-shirt size would fit you based on some you age, weight and heigh. I have been using K-Means algorithm for clustering t-shirt size, feature selection for analysing corporal measures. Linear Regression for predicting age, weight and heigh based on other corporal measures and Artificial Neural Network for the last size prediction.

DogFamily

Phoenix web application that allow us to find abandoned dogs searching by brand or age. It has started as a test project using Elixir and Phoenix web framework with Postgresql. It has a crawler in charge of looking for dogs from different web pages doing web scraping.