

Marcos Hernández

Python · Node.js · Javascript Developer

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<http://xiryvella.com>

<http://github.com/marcoslhc>

Skills

- **Languages:**
 - Python
 - JavaScript - ES6 (Browser, Node.js)
 - PHP
 - Clojure, Common Lisp
- **Frameworks:**
 - JavaScript: Express, Koa, Angular, React
 - Python: Django, Werkzeug
 - PHP: CakePHP, CodeIgniter
- **Datastores:**
 - Sql: Mysql, PostgreSQL
 - NoSql: Mongo, Redis
- **Software Design Skills:**
 - REST API Design
 - Object Oriented Design
- **Other Design Skills:**
 - HTML5 & CSS3
 - Graphic and Visual Design
- **Tooling & Workflow:**
 - Git
 - Gulp
 - Continuous Integration
 - Agile Methodology
 - Test Driven Development
 - Environment: Linux, Mac OSX

Experience

Senior Front end Developer at Televisa, operators of blim.com

February 2016 - Present

blim.com is a subscription based video stream service supporting Video On Demand and Live Streaming.

I was hired as a Front end development team and quickly assigned to the HTML5 Video Player team where I got to be the team leader.

I maintained, added new features to our HTML5 Video Player used in Chrome v29+ and Firefox v47+ build on top of DASH.js player using angular and promptly adapted to play HLS with Apple FairPlay License using the native Safari player. I build tooling for de-

bugging and QA'ing the player. During this time I contributed to the DASHjs OpenSource community.

I developed and refactor Frontend components of the internally developed CMS.

Also I designed and developed a Microservice API using AWS API Gateway and Amazon Lambda (using Python) to report the video player front end events and stats. The API would receive the data and store it in a Amazon DynamoDB database for later consumption and storage in a Redshift database. I designed this architecture for better performance and low cost.

We used AngularJS to develop our products and our front end stack were:

- **ES6** later transpiled to JavaScript using *Babel*
- Browserify to stream the code through Babel, minification and bundling
- NodeJS for some local static serving and request proxying
- SASS for css structure using BEM as convention
- Karma and Protractor to unit test and E2E test respectively using mocha/chai and jasmine as assertion libraries.
- npm scripts, Gulp and Make to automate our build process.

Senior Developer at Veedims

September 2015 - December 2015

In this three month contract I lead the team building a product from the ground up:

I Designed a software to production delivery process (DevOp like process):

- Leverage git and github to provide developers and non-developers with a platform for discussion and agile-like development process
- Create a continuous deployment flow in Microsoft's Azure implementing three environments: Development, Staging and Production.
- Develop the tooling for automatic testing and building the apps in carsmart.io (Generate, optimize and minimize assets with gulp, tests with Mocha, Chai, Karma and Protractor)

And I also designed and developed the Front-End for carsmart.io web application including a "mini transpiler" using ESCodegen and ASTTypes to translate JS to a DSL and backwards :

- Node 5.0
- Koa.js

- HTML5 / CSS3
- JavaScript (Angular 1.5, D3 Graphic Library)
- ESCodegen / ASTTypes.js
- WebSockets

Web Developer at SeamlessDocs.com

March 2015 - September 2015

Developed new features on seamlessDocs.com. Prominent projects:

- [SeamlessDocs.com](#) I developed a REST API for the upcoming Template Gallery Feature in Python/Django
 - Python/Django using the django-rest-api package
 - PostgreSQL
 - Running in Gunicorn and Nginx on an AWS instance
 - Shell scripts to load and configure the virtualenv
- [SeamlessDocs.com](#) I contributed to develop a service with a REST API in pure Python and WSGI (no framework) to check the health status of the different platform services. The overall idea is check the status of the services, save it as a document in Mongo and made it available to the client through an endpoint .
 - Python
 - Mongo DB
 - Running in Gunicorn and Nginx on an AWS instance
 - Shell scripts to load and configure the virtualenv
- [SeamlessDocs.com](#) I developed several payment plugins and integration for the seamlessDocs platform including Braintree, Stripe and a custom payment based in Stripe-Connect
 - PHP
 - CodeIgniter
 - PostgreSQL
 - HTML5
 - CSS3
 - JavaScript
- [SeamlessDocs.com](#) I developed a deployment and tests results status server in Node using Koa Framework in JS harmony and a job queue in Redis. The main goal was to listen to various events in the repositories hosted in GitHub and start the tests, optionally deploy and report back to GitHub.
 - Node/Javascript (ES 2015 features and syntax)
 - Redis

- Github API, Slack API, AWS API
- Shell scripts to configure, redeploy and start the service.
- Git Scripts to automate the deploy and tests
- Several test suits across different codebases.

Web Developer at Neurs LLC (operators of neurs.com and neurs.net)

April 2014 - March 2015

Developed new features on neurs.com and neurs.net. Prominent projects:

- Neurs.com Dashboard. I developed a REST API in PHP and javascript (vanilla & jquery) on client side.
 - MySQL
 - CakePHP - PHP5
 - HTML5
 - CSS3
 - Javascript
 - Running in AWS
- Neurs.net payment framework. I developed several libraries and user interface modules with Node (ES6) with Koa.js, paypal - Braintree libraries & Angular on client side.
 - Node 0.12
 - Koa.js
 - Angular 1.3.15
 - Third party Libraries like PayPal, Braintree and concurrency helpers

Education

Universidad Tecnológica del Centro (College) - Venezuela

2007 - 2013