



**Pedro Baptista Afonso**  
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skype: pedrombafonso

# Javascript Full-stack Engineer

## Summary

Reliable, predictable and persistent.  
I care about simplicity and performance for a better user experience.

## Most Valuable Technologies

React, Node.js, AngularJS,  
HTML5, CSS3, SQL & NoSQL

## Track Record

- Assisted in the conversion of Under Armour's e-commerce monolithic architecture to a 4-tier microservice architecture. Implementation of Node.js micro-services and multiple web applications/reusable components based on React/Reflux.
- Led a revamp of a major Portuguese online newspaper comments section leveraging a microservice architecture and a React based real-time system.
- Architected and led the implementation of many web applications from the ground up to production integrating with external web services such as payment gateways, source control systems and cloud storage services.
- Worked with scientists and researchers implementing parallel and distributed solutions in different scientific domains such as genome sequencing, wildfire prediction, biophysics simulation, workshop scheduling optimization.
- Assisted a major international bank and German manufacturer streamline their business processes as an IBM BPM consultant.

## Professional Experience

### Full-stack Developer @ TwinTechnologies / Under Armour remote 11.2014 - 11.2016

- Continuous delivery and support of e-commerce platform for US and Canada market.
- Implementation of a 4-tier microservices architecture replacing existing monolithic implementation.
- Implementation of a product and inventory management solution based in React.js.
- Go-to expert in payment system integration (Paypal, Paypal Credit, Visa Checkout and Apple Pay for Web) and React.

Node.js React Reflux AngularJS Docker ElasticSearch Kafka Git Grunt Gulp LESS Kubernetes

### Full-stack Developer / Tech Lead @ Independent Consultant remote 03.2014 - Present

Developed/revamped many web and mobile applications leveraging Javascript and its ecosystem.  
Projects: [Frames™](#), [Observador \(micro-servies/reactive frontend\)](#), [String](#), [SwiftAlarm](#), GitEscrow

Node.js React Docker d3.js AngularJS Golang Github API Stripe API Git Gulp SASS LESS Phonegap

### Frontend & Application Developer @ CrowdProcess 06.2012 - 02.2014

Developed distributed and parallel computing applications using CrowdProcess in different domains of science:  
Genetic algorithms for job scheduling optimization; FASTA algorithm for genome sequence alignment; OpenCV and computer vision solutions for animal behavior analysis;

Node.js MapReduce AngularJS OpenCV Git Gulp SASS LESS

### BPM Developer Consultant @ Safira Portugal / IBM Deutschland GmbH 07.2012 - 08.2013

BPM Developer in a BPM program (which includes several business and operative processes) at an International Bank.

- Training of the Business Staff for BPM and BPMN;
- Analysis, design and implementation of selected business process;
- Implementation of a reusable UI toolkit using Twitter Bootstrap and jQuery.

### Junior Linux Systems Administrator @ GuestCentric (part-time) 04.2010 - 07.2011

LAMP (Linux, Apache, MySQL and PHP) systems administrator. IT support.

Responsible for the testing environment and maintenance of high availability systems (load balancing, drbd, heartbeat). Word-press administration, MySQL and Apache optimization.



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## Education

**Bsc & Msc @ Faculty of Science and Technology - NOVA University of Lisbon**

09.2005 - 07.2012

**Thesis** Parallelism using MapReduce over Cell Broadband Engine Architecture

**Specialization** Computer Systems and Networks

Deep knowledge in parallel and distributed computing. MapReduce, GRID, Cloud.

## Languages

Portuguese	native
English	proficient
Spanish	fluent

## Interests / Learning

- User experience
- Machine learning / AI
- Data visualization

## Hobbies

- Rock climbing, surf, scuba diving
- Music
- Travel & photography

## Endorsements

### Shane Stillwell

*Tech Leader @ Under Armour*

I had the distinct pleasure to work with Pedro for two years while consulting for Under Armour. Pedro is the quintessential definition of a team player. He's always willing to jump into new issues and solve difficult problems. Pedro is able to grasp complex systems and find ways to make them more efficient.

A number of times I was gone, Pedro stepped in as Team Lead for our team and successfully kept the team performing and productive. Even though he doesn't live in a similar time zone, Pedro was always available throughout the day, working on issues. He does an excellent job working remote and communicating effectively both verbal and written.

I have no doubt Pedro will excel in any organization he finds himself and will be a great asset to any team.

### Gabe Roffman

*Technical Leader and Architect @ Under Armour*

Diligent, thoughtful, careful and creative are some of the words I would use to describe Pedro's approach to working on a range of complex problems we tackled working for Under Armour which included front-end applications written in React and Angular to back-end services running in Node.js. His proven proficiency throughout the stack allowed him to deliver quality results on time. This coupled with his super positive attitude made him a trusted resource I knew I could always depend on. I would highly recommend Pedro to make a positive impact in any engineering effort.

### Mariana Fernandes

*UX/UI and Web Designer @ CrowdProcess*

Pedro is a very hard worker and a doer. He worked directly with me both in the creation of CrowdProcess technical tutorial videos and assisted me with his frontend skills. I enjoyed working with Pedro both personally and in a purely professional point of view. I can even say it is the best representative of animation and team spirit.

The best: have a fantastic team spirit and manages to keep the whole team excited.

The worst: nothing to point.

### Erwin Steckenbauer

*Senior Consultant for Distribution and Manufacturing @ IBM*

Pedro is a very qualified person, with excellent communication skills. He always works team oriented.

It was a great pleasure for me to work with him.

## Find me:

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