

# Adriano di Lauro



✉ [adr\\_dilauro@hotmail.it](mailto:adr_dilauro@hotmail.it)

🌐 [LinkedIn](http://www.linkedin.com/in/adrianodilauro) <http://www.linkedin.com/in/adrianodilauro>

🐙 [GitHub](https://github.com/adrdilauro) <https://github.com/adrdilauro> [NPM](https://www.npmjs.com/~adrdilauro) <https://www.npmjs.com/~adrdilauro>

📁 [Portfolio](http://adrdilauro.github.io) <http://adrdilauro.github.io> [Medium](https://medium.com/@adrdilauro) <https://medium.com/@adrdilauro>

Year of birth 1986 Nationality Italian

## PREFERRED JOB Senior Front-End Engineer

### INTRODUCTION

I am a senior Front-End Engineer with more than six years of experience.

My interests and experiences span all aspects of Front-End and web development: site speed, optimisation, JavaScript frameworks (Angular), design, data analysis, SEO, UX/UI. I have also experiences working on Back-End and as a sysadmin: I am glad to use these skills as well, provided that my role is mainly focussed on Front-End.

I have a mathematical background: I believe that this gives me an advantage over other developers, in terms of flexibility, ability to “see the whole picture”, and to find optimised, original solutions.

### KEY SKILLS

**jQuery, Angular, Ruby on Rails, Site Speed / Optimization, HTML5, CSS3, PostgreSQL, Google Platforms (GA, GTM, GPT), Amazon Web Services**

### WORK EXPERIENCE

*Nov 15–Present*

#### Lead Front-End Developer

Boat International Media  
41-47 Hartfield Road, Wimbledon, London (United Kingdom)

- **Responsible for uptime, load time and correct functioning of company's main website** ([www.boatinternational.com](http://www.boatinternational.com), 6.500.000+ monthly page views)

- *No major bugs in production in 2.5 years*
- *Server response time improved of over 50%*
- *Major improvements of JavaScript load time, CSS rendering time, size of HTML, image optimisation*

- **Responsible for maintaining, optimising and implementing new features on the Front-End:** custom jQuery framework using component pattern + AMD modules in node.js environment; BEM OO CSS using SaSS and structured media queries; Russian doll HTML caching to bypass ERB performance bottlenecks

- **Responsible for implementing A/B tests for each new feature** (simple ones on Google Optimise, complex ones customly set up in the Front-End)

- **Responsible for implementing data collection on main website** (GA via Google Tag Manager, including Enhanced eCommerce; logs analysis and setup reports with ELK stack – Elastic Search, Kibana)

- *Implemented innovative and performing solutions for collecting user events*

- **Responsible for maintaining the Back-End of company's main website** (Ruby on Rails app connected via API to an external Elastic Search DB): responsible for technical communications with the external company to which the ES database is outsourced: reporting bugs, asking for modifications when necessary

- *Minimised outsourcing costs, by optimising change requests and consultancy time with the external company*

- **Responsible for performing routine sysadmin tasks on AWS servers** (Elastic Load Balancer and Auto Scaling Group)

- Responsible for implementing SEO strategies, maintaining sitemap, redirecting and pruning 404 / soft 404 in Google Webmaster Tools

- Responsible for implementing Front-End side of DFP (gpt.js), development of custom RichMedia creatives, optimisation of viewability, set up of DFP parameters

- *Developed a custom creative campaign for McLaren, with animations to compress smoothly the page content and multiple backgrounds depending on screen size*

- Responsible for setting up and maintaining the DNS settings of all websites of the company (Route53, 1and1, GoDaddy)

- Responsible for maintaining the company's GitHub account and all repositories, issues, pull requests; responsible for doing all the deploys

- *Developed an optimal structure of GitHub repositories to manage all company's products and optimise work times*
- *Configured a remote AWS instance to perform deploys quickly without depending on local network*

- Responsible for integrating the main website with an ecommerce platform (Magento, including developing

small php extensions) a subscription platform, and other minor websites on Wordpress

- Responsible for setting up and maintaining SSL certificates on all websites using subdomains of "boatinternational.com"

**Business or sector** Media, Yachts, Luxury Life Style

**Oct 14–Oct 15**  
(1 year, 1 month)

### Senior Front-End Developer

IRIS Connect  
Sovereign House, Church Street, Brighton (United Kingdom)

- **Responsible for the Front-End (AngularJS) of the company's web app:** development of new features, optimisation of AngularJS performance - the app is used by teachers to record and stream videos (CSS3, HTML5, jwPlayer API, Jasmine testing)
- **Development of new features on the application's Back-End** (Ruby and ActiveRecord built on an external API)

**Business or sector** Education, continuing professional development (CPD)

**Jul 12–Apr 14**  
(1 year, 10 months)

### Junior Front-End Developer

Morgan S.P.A.  
Via degli Olmetti 36, Formello (Rome) (Italy)

- **Development of Front-End of an e-learning web application** (OO JavaScript, JQuery, JQueryUI, HTML5, CSS3; application localized in English, Italian and Chinese)
- **Development of single page applications for video and media editing** (HTML5 media API, CSS3, OO JavaScript)
- Participated in developing the Back-End, including database design, optimisation of SQL queries and automatic specs (Ruby 2, Rails 3-4, PostgreSQL)

**Business or sector** Information and communication, education

**Mar 11–Jun 12**  
(1 year, 4 months)

### Junior Full-Stack Developer

Maypun Soluciones Informáticas  
Avenida Jujuy 2048, Capital Federal, Buenos Aires (Argentina)

- **Design and development of a game of football forecasts**, including design of a database with 40+ tables (Ruby 1.9, Rails 3, PostgreSQL)
- **Development of features on the game's Front-End** (jQuery, HTML5, CSS3)
- Development of a migration process from the database of the old version of the game (MySQL, 50.000 users stored), to the newly designed database (PostgreSQL)
- Design of automatic processes interacting with Facebook and Twitter (publish on the wall, read posts and comments and process them) and with streams of external data (live update of football games)
- Responsibility for robustness and consistence of the game's logic; participation in decisions about the players' experience

**Business or sector** Entertainment, gaming

## SKILLS

### Front-End

- **Angular, Angular.js, jQuery, TypeScript**, OO JavaScript
- **OO CSS (BEM), CSS3**, SaSS, HTML5
- **Component pattern frameworks, AMD, npm + node.js** environment
- **Google PageSpeed Insights**, CSS performance, rendering performance, optimisation of page load time
- **A/B tests**, including complex ones, weighted, multivariate (projects <https://www.npmjs.com/package/angular-ab-tests>, [https://github.com/adrdilauro/ruby\\_optimize](https://github.com/adrdilauro/ruby_optimize))
- **Responsiveness, structured Media Queries**, Front-End for touch devices
- **Data collection, Google Analytics**, Google Tag Manager, Enhanced eCommerce, Kibana log analysis
- **Modular organisation** of large and scalable Front-End
- HTML caching techniques
- CSS3 animations (I developed <https://github.com/adrdilauro/tradewind>, a vanilla JavaScript library to run easily complex animations)
- UX, UI

- Advanced SVG techniques
- Underscore.js, Bootstrap
- Localisation in different languages

#### *Back-End*

- **Ruby, Ruby on Rails**, Ruby APIs
- Grunt, Node, Bower
- PostgreSQL, MySQL
- Database Design

#### *Sysadmin*

- **AWS, autoscale, S3, CloudFront**
- General routine tasks of system administration
- DNS settings, Route53, GoDaddy, 1and1, redirects, SSL certificates
- Setup of Wordpress sites

#### *Other*

- **DFP, GPT creative adverts**, optimisation of ads
- **Search Engine Optimisation**, Google Webmaster Tools
- HTML5 media API, jwPlayer API
- Magento, php, extensions

#### *Methodologies*

- Agile Methodologies
- Behaviour Driven Development, Test Driven Development

### EDUCATION

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*Sep 07–Oct 10*

**Master in Mathematics:** specialization Theoretical Computer Science, final grade 110/110 magna cum laude

*Sep 04–Jul 07*

**Bachelor in Mathematics:** final grade 110/110 magna cum laude

### LANGUAGES

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*Mother tongue*

Italian

*Fluent*

English, Spanish

*Good knowledge*

Russian, French

*Basic*

Indonesian, Finnish