

PERSONAL INFORMATION

Adriano di Lauro



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Sex Male | Date of birth 26 Mar 1986 | Nationality Italian

PREFERRED JOB

Senior Front-End Developer

SKILLS

Technical skills

- Four years of experience in Front-End development: JavaScript (native Object Oriented JavaScript, Angular.js, jQuery), HTML (HTML5), CSS (CSS3, SaSS).
- Expert in structuring the Front-End of large and scalable applications (both regular and Single Page applications): modular, optimal, fast Object Oriented JavaScript; scoped, clean and reusable CSS using SaSS language; clean and declarative HTML, compatible with XHTML and HTML5 standards.
- Deep knowledge of the inner structure of Angular.js: best practices, modularity, optimization, edge corners of the framework.
- Expert in handling videos and other media in the Front-End (both HTML5 and JWPlayer APIs).
- I write Front-End with a Behaviour and Test Driven approach (BDD, TDD); my JavaScript is testable with both unit and integration tests (I usually write tests in Jasmine).
- Expert in smooth and creative animations (both jQueryUI and CSS3 animations); I wrote my own plugins in native JavaScript to generate CSS3 animations (<https://github.com/adrdilauro/tradewind.js>).
- Expert in responsive multi-device CSS, and well structured media queries.
- Expert in problems of cross browser compatibility, down until IE8.
- Knowledge of the browser's ecosystem (DOM and CSSOM compilation and rendering, optimization of resources rendering and PLT).
- I have worked with professional web designers (developing Front-End based on exact mock ups in Photoshop), and have myself an eye for design; I often propose original solutions for UI: my constant worry is providing a user interface which is in the same time clear and captivating.
- Expert in structuring scalable localized Front-End; I am aware of Front-End related problems of supporting multiple languages, especially those using ideograms, like Chinese.
- Creation and manipulation of precise svg icons (configuring viewBox and other properties in order to make it web and CSS friendly).
- Experience with JavaScript libraries such as Underscore.js.
- Good knowledge of Bootstrap and other style libraries / plugins.
- Expert in writing comprehensive QA processes.
- Four years of experience in Ruby on Rails (Ruby 1.8, Ruby 1.9, Ruby 2, Rails 3, Rails 4); experiences using ActiveRecord and ActiveRecord over a preexisting API written in another language.
- Three years of experience in relational databases: three years with PostgreSQL, one with MySQL; query optimization, database design, databases with 5'000+ active users; experience in migration of data from a database MySQL to a database in PostgreSQL.
- Indirect knowledge of Back-End problems related to videos (ffmpeg, different products depending on the device, different durations, clipping, transcoding times): I have a long experience in developing Front-End that handles video, so I know what kind of problems one can expect in the Back-End.
- Experiences as a full-stack developer; MVC and REST.
- Four years of experience with Back-End unit tests (mainly RSpec).
- Experience in the gaming industry (also in designing games' logic).
- Experience in education and tools for e-learning (Moodle, SCORM and TinCan standards).
- Interaction of web applications with social networks (Facebook API, Twitter).
- Knowledge of Java and C, acquired in projects for university.

Organisational skills

- Passion for scalable, clean and maintainable code.

- Behaviour Driven and Test Driven development (BDD, TDD).
- Best practices for team programming: working on separate branches, code reviews, unity of code style, coordination with other members of the team (both physically and in remote).
- User-focused, UI-focused; I try always original solutions, I have an eye for web design too.
- Agile methodologies.
- Punctuality, precision, passion for quality and interest in any small detail.
- Problem solving.
- Global vision of the software's logic.
- Organization of work: natural skills in task optimization.
- Natural leadership skills.
- I like difficult challenges and working under stress.

WORK EXPERIENCE

Oct 14–Present

Senior Front-End Developer

IRIS Connect

Sovereign House, Church Street, Brighton (United Kingdom)

- Responsible for the Front-End of the company's application; use of Angular.js, native Object Oriented JavaScript, CSS3, HTML5, jwPlayer API, Jasmine testing, jQuery.
- Responsible for organizing optimal JavaScript, HTML and CSS at a large scale.
- Expertise in Angular.js, deep knowledge of its inner mechanisms.
- Expertise in CSS3 animations.
- Development of an interface for video editing using Angular, CSS3, jwPlayer API, tools for live recording.
- Experience with responsive multi-device CSS (for both mobile and desktop devices). I participate in decisions about UI and design.
- Coordination of QA of the Front-End, responsible for writing QA processes.
- Development new features (using Ruby and ActiveRecord over an API of a backend written in Haskell) on the company's application.

Business or sector Education, continuing professional development (CPD)

Jul 12–Apr 14

Junior Front-End Developer

Morgan S.P.A.

Via degli Olmetti 36, Formello (Rome) (Italy)

- Development of high quality front-end for single page applications; use of native Object Oriented JavaScript, JQuery, JQueryUI (and several graphic libraries), HTML5, CSS3.
- Expertise in the media interface of HTML5: development of single page applications for editing video, audio and images.
- Responsible for organizing optimal, scalable and modular JavaScript, HTML and CSS.
- Worked together with professional graphic designers, participated (with original solutions) in decisions about UI and design. Experience with CSS responsive for both mobile and desktop devices.
- Development and maintenance of a scalable Front-End structure for an application localized in English, Italian and Chinese.
- Worked on QA and optimization of the speed of the Front-End.
- Worked on parts of the company's application's Back-End: used Ruby on Rails (Ruby 1.9, Ruby 2, Rails 3, Rails 4); database design (PostgreSQL), unit testing (both RSpec and the native test platform of Rails 3), optimization of SQL queries.
- Back-end integration of image editing, uploading and downloading files, sending emails, composition of zip packages (in Ruby).
- Development of scripts to create SCORM packages (in Ruby).
- Maintenance, bug fixing and refactoring of existing web applications.

Business or sector Information and communication, education

Mar 11–Jun 12

Junior Full-Stack Developer

Maypun Soluciones Informáticas

avenida Jujuy 2048, Capital Federal, Buenos Aires (Argentina)

- Design and development of a game of football forecasts (web application on Facebook), using Ruby on Rails (Ruby 1.9, Rails 3).
- Development of the game's front end using JavaScript (both native and JQuery), HTML5, CSS3.
- Design of a database with 40+ tables (PostgreSQL), optimization of queries and development of automatic processes dealing with high numbers of data (the game had 50'000 users in the database, of which about 6'000 active players).
- Development and maintenance of automatic tests for the whole application.
- Designed 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 of security and consistence of the game's logic; participation in most of the decisions about the players' experience.
- Migration of a database containing several thousands of users (and hundreds of thousands of other data such as games and forecasts) from a database in MySQL to a database with a different table structure in PostgreSQL.

Business or sector Entertainment, gaming

EDUCATION AND TRAINING

Sep 07–Oct 10	Master in Mathematics, specialization in Theoretical Computer Science EQF level 7 Università degli Studi Roma Tre via Ostiense 159, 00154 Rome (Italy) www.uniroma3.it Thesis (in Bioinformatics): "Gene Regulatory Networks: extracting models from formal specifications" Final grade: 110/110 magna cum laude Fields of specialization: Stochastic Algorithms, Information Theory, Computational Algebra, Bioinformatics, Process Algebras, Lambda Calculus, Polynomial Dynamical Systems
Sep 04–Jul 07	Bachelor in Mathematics EQF level 6 Università degli Studi Roma Tre via Ostiense 159, 00154 Rome (Italy) www.uniroma3.it Thesis (in Algebraic Topology): "Orientation and orientability of topologic manifolds" Final grade: 110/110 magna cum laude Fields of specialization: Commutative Algebra, Topology, Differential Geometry, Group Theory
Sep 99–Jun 04	High School Diploma (Humanitarian and Classical Studies) EQF level 5 Liceo Classico Statale Augusto, Rome (Italy) Final grade: 94/100

LANGUAGES

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Spanish	C2	C2	C2	C2	C2
Russian	C1	B2	B2	B1	B2
French	B2	C1	B1	A2	A2
Finnish	A1	A2	A1	A1	A1
Indonesian	A2	A2	A2	A2	A1

ADDITIONAL INFORMATION

Courses and conferences - Gained a scholarship for being the first in the admission test of my faculty (Sep - 04)

- EJCIM08, École Jeunes Chercheuses en Informatique Mathématique, Université de Luminy, Marseille (Apr - 08)
- RubyConf Buenos Aires 2011 (Nov - 11)
- RubyConf Bath 2015 (Mar - 15)
- RubyConf Brighton 2015 (Jul - 15)