

Juan Serrats

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Native



Bilingual



Average

EXPERIENCE

Sept 09 - June 10

Polytechnic School Admin & Lab Support (Madrid). Internship

Technical administration and support at the labs, access management, equipment installation/configuration, general support for teachers, laboratory technicians and general users.

Sept 10 - June 11

Freelancer (Spain). Project Manager & Web Developer

- **TEGUAM Project (UAM's Biology School, Madrid):**

File sharing web platform for the teachers collective (class notes for students, teachers books and publications, phd students thesis documents) and internal social net for the research team at the Ecology Department of the UAM with a custom CMS.

- **Custom E-commerce (Microcosmos Design, Murcia):**

Online clothing store, shopping cart and various payment methods integration all under a custom CMS developed from scratch using PHP only (no framework)

March 11 - Jan 12

Merry+Valenzuela (NYC). Multimedia Director & Lead Developer

Web applications development, back-end and server administration, newsletter systems, multimedia and web mockups and presentations.

Jan 12 - Jan 13

NYU-Poly, Web & Media Department (NYC). Web Developer

I worked as a developer at the web and media department at the NYU Polytechnic School of Engineering while I was studying my masters degree: development of the admissions application PolyConnect 2.0, events and custom forms creation and some database management.

Jan 13 - May 13

MyWorld2015 - United Nations Global Pulse (NYC). InfoViz Developer

Information visualization development done using the JavaScript library D3. The Project was developed for René Clausen at UN's Global Pulse as part of the MyWorld2015 project. The final visualization gave the UN various insights about what was happening with the international poll's votes and their distribution.

June 13 - Sep 14

Spark451 Inc. (NYC). Software Engineer & Lead Developer

Lead Developer at first and Software Engineer later on, among my tasks were architecting the applications with the Chief Creative Technologist, modeling the data, developing the products from early to final stages and supervising plus advising other developers (in-house and international contracts) Some of the projects/sections I worked on that are worth a mention are the following:

-App451: Web-based admissions application and fully integrated CRM, customized for various higher education institutions such as Arcadia University, Saint Joseph's College, Iona College, Manhattan College, Drew University, College of Mount Saint Vincent, Sarah Lawrence College and many more. I worked on the data modeling for SQL and the architecture of the application and its development using the PHP framework Kohana, JavaScript/jQuery, responsive HTML/CSS.

-Data451: Data transformation tool used to process higher education students records and which ensures clean databases through a translation/mapping of the students information and applies a deduplication process before storing and exporting the user listings to DBs and CSV files.

-Event451: Event manager for higher education institutions, including functionality such as adding events with RSVPs, assistance confirmation, event listings and custom headlinings.

-Transfer Microsite: Custom Microsite for the Manhattan College transfer students, integrates the regular App451 with specific document upload, automated contact with teachers/counselors and some extra features.

-Analytics: Most of these applications have custom analytics integration and include a dashboard with extensive reports of the information as well as visual charts made using D3 libraries and GoogleCharts maps, I also developed custom APIs in order to export these analytics and implement StatusBoard digests integration for iPad.

-Spark API: Web Services developed in order control all the applications from a centralized system that handles all the previous applications for all the different clients and users through different authentication-based features. This Project serves for the newer versions of all the apps. The process involved taking care of the architecture, data modeling for relational and non-relational DBs, and software development using the Agile/SCRUM methodology.

EDUCATION

2010 Computer Engineering

Polytechnic School, Universidad Autónoma de Madrid - Madrid, Spain

2011 Degree in Web Design and Development

Creactiva School - Madrid, Spain

2013 Computer Science MSc

Polytechnic School of Engineering, New York University – NYC, United States

PROFESSIONAL SKILLS

Web Development	PHP, Laravel and Kohana Frameworks, Vagrant, PHPUnit, Mockery, JavaScript, Ajax, jQuery, Postman, HTML5, CSS3, Sass, SVG Information Visualization with D3 and Google Charts, OctoberCMS, Wordpress, Joomla!, Flash, MySQL, PostgreSQL, MongoDB, comfortable with Amazon Elastic Beanstalk, Appfog, PagodaBox and Rackspace servers.
Programming	C, C++, Java (Servlets, JSP, JavaBeans, Tomcat, also Swing and AWT), Pascal, LISP, Prolog, Assembly, VHDL, mobile development for iOS and Android.
Operating Systems	Linux (SUSE, Ubuntu, Kubuntu), MAC OS, Microsoft Windows (XP, Vista, Windows7), Unix Systems.
More	Interested in neural networks, artificial intelligence and knowledge engineering learning methodologies and UX design. Worth mentioning: I've worked with Agile/SCRUM, Trello, Github, xCode, MAMP and the Adobe Creative Suite.
Personal Skills	Sociable, good teamwork skills, flexibility and adaptability, I learn fast: selftaught and from others. I'm professional, well organized, have a good response capacity under pressure and deadlines always looking forward to working and acquiring knowledge in different areas of expertise.

OTHER

- Owner of a VISA and Employment Authorization Card for the United States.
- Attended Courses: Android development (Indra-09, AndroidSpa-11), Joomla (Creactiva, 11)
- School maths, spanish and english teacher between 2004 and 2008.