Resumé

Personal information

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Summary

Hello,

I'm a full-stack developer and technologist in Santa Fe, Argentina.

Since 2004 I've been building web applications, systems and analyzing data in the Music, Photography, Heavy Equipment and Logistics industries. I'm always exploring new technologies, platforms and services to develop innovative products.

I am skilled to build a complete dynamic website from the ground up using **Linux, Apache/Nginx, PHP, MySQL, HTML, CSS, JavaScript**.

I have experience with **backend and frontend programming, databases and systems administration**.

Skills

- Full-stack web application development on **LAMP/LEMP**.
- Rich, dynamic frontend **JavaScript** development with and without frameworks.
- Web Services development and integration with **RESTful APIs**.
- **Linux** and **cloud platforms** (AWS, DigitalOcean) server administration.
- Web Application debugging, performance monitoring and tuning.
- Application centered **mass mailing** systems.
- **MySQL** database development and administration.
- Experience with mobile and responsive web applications.
- **Git and GitHub** source control.
- Great written **English language** skills (conversational skills will improve eventually).

I have an Italian citizenship, hence hold **EU working permit**, and a **B1/B2 Regular type visa**.

Some projects

- www.bandmix.com
- www.vialfe.com.ar
- www.juangiordana.com.ar
- www.giordana.com.ar

Occupation

Here is a list of the projects I've been involved, mainly listing its features instead of the technology behind for the sake of brevity and to avoid listing obsolete technologies that may no longer be relevant in current days.

Full stack developer

Content Management Systems (CMS)

- News portals (weblogs) with public/private comments support.
- Online classifieds for both personal advertisement and goods.
- Photo and video galleries.
- RSS and Atom feeds.

E-commerce

I've created an automated recurring billing system that handles encryption of customer's credit cards information and sends it to the Authorize.net payment gateway to process the transactions.

Messaging

I've developed an internal messaging system that members of a website can use to contact each other.

Bulk mailing

I've developed a mass mailing system that is able to deliver millions of weekly e-mails, handling dynamic subscriptions/unsubscriptions and bounce processing.

Media & Storage

Programmatic image manipulation using external libraries like **ImageMagick** and **GraphicsMagick**.

Massive **media storage** hierarchy using *storage pools* to avoid reaching file systems limitations on certain systems.

Several *music players* iterations (Flash, HTML5) with playlists support.

Amazon S3 storage and backups.

Search algorithms

Simple and advanced **search algorithms** with a wide variety of filters (i.e. search by geographic proximity) and session support.

Application programming interfaces (APIs)

Creation of APIs to interconnect data between several applications/websites.

Facebook login integrations.

Search engine optimization (SEO)

My experience in SEO goes from the server side, sending proper HTTP headers and using regular expressions to generate easy to remember URLs; to the frontend, restructuring the generated output using the latest standards, producing better ranking positions in Google and other search engines.

Design & Frontend

I've gone from writing raw HTML, CSS and JavaScript to the utilization of the jQuery library and plugins. I'm currently using Twitter's Bootstrap and Google's Material Design frameworks as foundation. I'm always striving to to keep my work up to date to the current HTML, CSS and EcmaScript specifications.

I enjoy paying attention to details to improve the overall user experience.

Miscellanea

Integration of third party discussion forums to existing systems.

Some technologies that I have used or implemented

Apache (mod_rewrite), Authorize.net, Amazon AWS (EC2, CLI, CloudFront, S3, SDK for PHP), Bash, Bootstrap, Composer, DigitalOcean, Facebook SDK, GitHub, GnuPG, Google G Suite, Google Sitemaps, jQuery, Linux, MaxMind GeoIP2, Microformats, MySQL, Nginx, Open Graph protocol, PayPal, Pear, phpBB, Pipedrive, SwiftMailer, Twig, Vagrant, Wordpress.

System administrator

- Setup, configuration and maintenance of Linux systems, both physical and cloud based servers.
- Good performance in several Linux distributions: Debian, Ubuntu, Linux Mint, Gentoo, Funtoo, Red Hat, CentOS, Fedora, LFS.
- Setup and maintenance and optimization of server's software:
    - Web: Apache, Nginx.

    - Databases: MySQL (including master/slave replication).
    - PHP: as an Apache module and **FastCGI**.
    - Files: SAMBA, NFS.
    - DNS: djbdns.
    - SSH: OpenSSH.
    - E-mail: Qmail, Postfix, Exim.
- Compiling applications from source code according to specific needs.
- Backup: local and remote backup systems (hourly, daily, high availability, etc.).
- Processes automation under *nix systems.

Other

Technical support in both hardware and software areas.

Education

- Fully attended primary and secondary levels (mid/high school) in Escuela Particular Incorporada nro. 1102 Don Bosco.
- PC armed, repair and maintenance: title awarded by the CISCO Academy.
- Structured Cabling and LAN networks: completed the first semester of the CCNA at the CISCO Academy.
- Medium/Strong conversational and written English skills.

Trajectory

03/2018 - Present

Work as a full stack developer at Agrofy.

07/2012 - 03/2018

Work as an independent full-stack web developer and consultant.

05/2006 - 06/2012

Worked as a full-time web developer, system administrator and consultant for Echo Media, Inc.

10/2005 - 04/2006

Worked as a freelance web developer for some local companies (NKStudios, NetSud) and independently.

02/2004 - 09/2005

Took my first steps as web developer in NKStudios S.R.L.