

# LUIS MAXIMILIANO RODRIGO ZUBIETA

**DATE OF BIRTH** July 25, 1985  
**NATIONALITY** Argentina / Spain  
**LANGUAGES** Spanish / English  
**EMAIL** hello@wxr.me / rodrigo.maxi@gmail.com  
**WEBSITE** wxr.me  
**LINKEDIN** /in/maxrodrigo/

## SUMMARY

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I'm a passionate software developer with significant experience in Python, PHP and system administration. Over the past fifteen years I've been a teacher, a consultant, and a tech lead, as well as a speaker at various conferences. I've done developing and consulting for top companies, hospitals, and universities. Although Python is my current language of choice, I also have significant experience with C, PHP, and Javascript. I also have a strong background in system administration and data analysis. I'm self-disciplined, fast learner and I truly believe everything can be done.

## TECHNICAL STRENGTHS

- Web Applications / Backend development
  - Development and maintenance of RESTful APIs, Continuous Integration, Continuous Delivery.
  - SQL databases. Specially PostgreSQL and MySQL.
- Application Containerization ( LXC / Docker )
- Software Architecture, distributed systems, high availability, scalability.
- Python
  - Data acquisition and analysis, multi-processing, High Performance.
  - Command-line applications development.
  - Django, Flask, Pyramid, SQLAlchemy
- PHP
  - Design and optimization for high traffic websites.
  - Zend / Symfony / Slim / Laravel

## PROFESSIONAL EXPERIENCE

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### Software Developer

Independent

(2002 - Present)

Some technologies I've worked with.

- Backend development in Python
  - Django, Flask, Pyramid, SQLAlchemy, Pewee
  - Command line applications development
  - Celery, RQ, Redis
  - PaaS, IaaS
- Backend development in PHP
  - Laravel, Symfony, Zend, Slim.
  - Design and optimization for high traffic websites.
  - Apache, Nginx implementation and optimization.

- Database Administration
  - SQL - (PostgreSQL, MySQL, SQLite)
  - No-SQL - (Cassandra, MongoDB)
  - Installation, configuration and monitoring.
  - Troubleshooting and resolving database problems.
  - Configure and monitor data replications.
- Reporting - Lately using ELK (ElasticSearch, Logstash and Kibana)
- Application Benchmarking / Design Optimization.
- Bots development
  - Facebook Messenger / WhatsApp / Twitter / Tinder.
  - Multiprocessing
  - Continuous Integration (CI) on distributed systems.
- Open APIs (Facebook, Twitter, Twilio, etc.)
- Containers (LXC, FreeBSD Jails, Docker)
- AWS (EC2, Beanstalk, RDS, S3, Cloudfront)

## Technical Lead

Searches

(March 2014 - February 2017)

- Re engineering of legacy Affiliate Program Software used by more than 3+ million affiliates.
- Database Administration - High Availability, Load Balancing, and Replication of massive databases mostly MySQL and PostgreSQL.
- Coding and optimization of report scripts and queries.  
Developed responsive, interactive visualizations using D3.js
- CNP Processing (Card-not-Present Transactions) - Merchant accounts integration. Chargeback Forecasting & Analysis with Python.
- PHP - Migration, maintenance and optimization on more than 100 websites using Zend, vBulletin, phpBB, Wordpress, Joomla, TGPs and custom scripts.
- Python - Recoding and reimplementing of legacy code in PHP, Pascal and C. Data Analysis, Marketing Automation, Billing Software, CMS development.

## Co-Founder - CTO

Nerddogs.com

(October 2007 - July 2012)

- Migration and hardening of massive websites.
- Infrastructure design.
- Application benchmarking
- Designed and coded command line scripts for most of our common tasks.
- Full stack development:
  - Wordpress plugins and themes.
  - Web scrapers / crawlers.
  - Twitter / Facebook bots.

## Developer - Server Architecture

Leechpack

(July 2009 - May 2010)

Leechpack was a SaaS that allowed users to download files from Torrent or File Sharing websites to the cloud. Once on the platform, files could be downloaded to the local drive or streamed directly to their browser.

- Full stack development of the File Sharing System.
- Development of the downloader software for File Sharing websites:  
Rapidshare, Depositfile, Uploadbox, Megaupload, Bigandfree, Netload, Storage.to, Hotfile, Uploaded.to and many more.
- Design and implementation of the on-demand streaming service.
- Red5 Media Server implementation.

- Torrent Servers Implementation.
- Implementation of the CVS server.

### **PHP Developer**

B18

(February 2007 - November 2009)

- Crawlers Development.
- Viral Marketing.
- Backend development mostly in PHP.
- Extensive development for Wordpress, Joomla, Drupal and others CMSs.
- Frontend development.

### **Windows System Administrator / Teaching Assistant**

Colegio Nacional Dr. Arturo Umberto Illia

(2005 - 2006)

## **TEACHING**

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### **Javascript Programming (2012)**

Colegio Nacional Dr. Arturo Umberto Illia

### **Internet Programming (2009)**

Colegio Nacional Dr. Arturo Umberto Illia

### **Elementary Computer Architecture and Operating Systems (2005 - 2007)**

Colegio Nacional Dr. Arturo Umberto Illia

### **Elementary Computer Architecture and Operating Systems (2005 - 2006)**

Instituto Argentino Modelo

## **HONORS AND AWARDS**

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### **Diseño de Sitios Web - 11ra edición de la Maratón Informática Argentina (MIA) (August 2002)**

*Universidad Nacional de Mar del Plata*

### **Olimpiadas de Informática 2001 Mar del Plata (September 2001)**

*Universidad Nacional de Mar del Plata*

## **REFERENCES**

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Available upon reference.