

LUIS MAXIMILIANO RODRIGO ZUBIETA

Date of birth July 25, 1985
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SUMMARY

I'm a passionate software engineer 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

- Continuous Delivery Architecture
- Software Architecture, distributed systems, high availability, scalability.
- System Administration
- Backend development / Web Applications
 - Development and design of RESTful APIs.
 - SQL databases.
 - Containerization (LXC / Docker)
- Database Administration
 - SQL - (PostgreSQL, MySQL, SQLite)
 - NoSQL - (Cassandra, MongoDB)
 - Troubleshooting and optimization.
 - Configure and monitor data replications.
- Python
 - Data acquisition and analysis, multi-processing, High Performance.
 - Command-line applications development.
 - Django, Flask, Pyramid, SQLAlchemy, Pewee
- PHP
 - Design and optimization for high traffic websites.
 - Zend / Symfony / Slim / Laravel

PROFESSIONAL EXPERIENCE

Senior Backend Engineer

LoveToKnowMedia Spain - Yourdictionary.com

(September 2017 -)

- Development of the new search engine using Elasticsearch.
- Design of the development and QA team workflows.
- Design of development styleguides and processes.

- Design and implementation the Continuous Delivery process.
- Redesign and development of the local development and testing environments.
- Documentation of new processes, workflows and style guides.
- Custom tools for the development team. Automatic deployments, tagging, integrations, cleanups, etc.
- Implementation of A/B Testing.
- Incremented page speed by 68%
- Made deployment process with AWS in less than 26sec.
- Interviewing and recruitment for the engineering dept.

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

Nerdogs.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)

Software Developer

Independent

(2002 -)

Throughtout these years I've being working on project I like

Things I've done and technologies I've worked with:

- Backend development in Python
 - Django, Flask, Pyramid, SQLAlchemy, Pewee
 - Command line applications development
 - PaaS, IaaS
- Backend development in PHP
 - Laravel, Zend, Slim.
 - Design and optimization for high traffic websites.
 - Apache, Nginx implementation and optimization.
- Database Administration
 - SQL - (PostgreSQL, MySQL, SQLite)
 - NoSQL - (Cassandra, MongoDB)
 - Installation, configuration and monitoring.
 - Troubleshooting and resolving database problems.
 - Configure and monitor data replications.
- Logging - Consolidated logs - Lately using ELK (ElasticSearch, Logstash and Kibana)
- Application Benchmarking / Architecture Optimization.
- Bots development
 - Facebook Messenger / WhatsApp / Twitter / Tinder.
 - Multiprocessing
 - Continuous Deployment on distributed systems.
- Open APIs (Facebook, Twitter, Twilio, etc.)
- Containers (LXC, FreeBSD Jails, Docker)
- AWS

TEACHING

LPIC-1: System Administrator (2018)

Knowtech Training - Barcelona

Advanced Linux System Administration and Networking (2017)

Knowtech Training - Barcelona

Internet Programming Languages (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

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

Available upon reference.