

Gabriel Saldaña Torres

Computer Systems Engineer

Graduate from [Instituto de Estudios Superiores de Tamaulipas](#)

Personal Information:

Age: 34

Status: married

E-mail: gabriel@gabrielsaldana.org

Blog: <http://blog.gabrielsaldana.org>

Website: <http://gabrielsaldana.org>

Languages:

English 100% written, read and spoken

German 30% written, read and spoken

French 10% read and spoken

Hungarian 10% spoken

Technologies:

Programming languages:

Python, Javascript, SQL, Ruby, PHP, C & C++, HTML5, CSS3, W3C Web standards, LaTeX, eLisp, SPARQL

Operating Systems:

POSIX (GNU/Linux, BSD), Mac OS X, Windows

Programming tools:

Django, Flask, AngularJS, ReactJS, BackboneJS, UnderscoreJS, Docker, Grunt, Gulp, Bower, Yeoman, Git, Bootstrap, Swagger, Yii Framework, Zend Framework, Ruby on Rails, Selenium, Jshint, JSDoc, SQLAlchemy, Subversion, GCC, GNU Make, Emacs, PHP Unit, PHP Simpletest, PHP Documentor, LESS CSS, SASS, Drupal CMS, Magento

Servers:

OpenBSD Packet Filter Firewall, Apache, Nginx, RabbitMQ, Redis, BIND, MySQL, PostgreSQL, Squid proxy, SSH, uWSGI

Databases:

MySQL, SQLite, PostgreSQL, Amazon RDS

Cloud infrastructures:

Amazon EC2, Rackspace

Memberships:

ACM www.acm.org

ACM SIGGRAPH www.siggraph.org

Free Software Foundation www.fsf.org

IEEE www.ieee.org

IEEE Computer Society www.computer.org

Mozilla México

KDE México

GNU Project www.gnu.org

Activities and Representations

Chairman of the IEST Computer Systems Engineering student faculty

Chairman of the IEST ACM Student Chapter

Founder of the IGDA IEST student chapter (www.igda.org)

[Online editor](#) of the [ACM Crossroads](#) magazine (www.acm.org/crossroads)

Member of the first [ACM Student Member Benefits Committee](#)

Webmaster at GNU www.gnu.org

Coordinator of the first open source InstallFest in Tampico

Founder and Chairman of the [GSL-IEST](#), an open source and Linux users group

Talks and Conferences:

PHP code quality tools – FSLVallarta 2012, Puerto Vallarta, Mexico
Semantic Web and SEO – FSLVallarta 2012, Puerto Vallarta, Mexico
Free Network Services – FSLVallarta 2011, Puerto Vallarta, Mexico
DRM: Digital Restrictions Management - UNITEC Monterrey, Mexico.
Management of digital licenses - UANL Monterrey, Mexico.
Git, the version control system - CONSOL 2008, Universidad de Mexico, Mexico.
Write your thesis in LaTeX - ENLI 2008, UPAEP, Puebla, Mexico

Personal Projects:

Notasbit.com – A tech news aggregator website that ranks the most popular daily tech news based on social media scores and uses artificial intelligence (natural language processing in spanish) to group similar topic headlines. Built with Python & Django, PostgreSQL, Celery, RabbitMQ, Redis, Nginx, uWSGI, Bootstrap, Google Fonts API, Google+ API, Facebook API, Twitter API.

Sabesquemecaga.com – An anonymous stress relief website to vent out rants with more than 10,000 phrases posted by users. I mainly use it for testing and learning new technologies. Currently built with Python & Django, PostgreSQL, Nginx and uWSGI, Google Fonts API, Bootstrap.

Working Experience:

Unosquare/Janrain

- Development of client resources administration. Backend REST API development in Python and Flask, front-end development in AngularJS 1.x.
- Working with remote teams in several parts of US and Mexico. Agile development process and test driven development in both Python and Angular projects.

Unosquare/OHSU

- Development of API for genetic analysis project for cancer research labs. Creating a tool to analyze the relationships between genotypes and phenotypes, collaborating with international remote teams and university staff.
- Python (Flask) server backend for REST like API service implemented using Docker.
- Google ProtocolBuffers code to implement API models and universal communication between clients and servers of the application.
- Write API documentation and prepare user accessible documents using Python's Sphinx and Swagger.

Unosquare/Neogroup Inc.

- Project lead consulting directly with client to understand business and system requirements for new features and product development.
- Python (Django) based REST API design and implementation for risk analysis tool for New York based Neogroup.
- Devops and Sysadmin of Amazon Web Services (AWS) infrastructure.
- AngularJS client applications development for REST API that implements interfaces for different types of users and data representation.

- Mobile web and PDF printable reports of risk analysis generated from web based interface. * System architecture design of back-end and front-end products.
- Technology leader, in charge of choosing the tools and team work methods to use for the project development process.
- In charge of multinational team coordination between Mexico, New York and India for development and testing.

VanillaSys/WiserTogether Inc. (3 months)

- Python (Django) developer working with REST API interfaces for backend services
- Code integration supervising and assuring code quality and standards across teams and projects in Javascript applications based in BackboneJS.

Internet Brands/Nolo (www.internetbrands.com) (full time 2 years)

- PHP lead developer
- Web developer for www.nolo.com, one of the largest sites of consumer friendly legal information and books. Adapting Magento eCommerce platform, performing PHP Unit testing and maintaining legacy custom made systems.
- Developed in-house tools for lawyer editorial staff to manage book contents working with PHP Yii Framework and managing a team of 5 developers on international locations. Handling also the project requirements, system architecture design as well as main development.

PlayfulPlay (external consultant 3 months)

- Backend game developer for facebook social media gaming platform "La Vecindad de El Chavo".
- Implemented secure communication and validation of prepaid game points cards.
- Code quality audits, game testing, code unit testing and general quality assurance of backend.

American Institute of Monterrey (external consultant 4 months)

- Developed backend and front end for school's internal communication magazine with an innovative user interface using HTML5/CSS3 and Javascript technologies.
- Animations and magazine like simulations on browser with web standards only. Also implemented mobile and tablet responsive design.
- Site implemented with Wordpress as the backend with lots of customizations on the front end and general user experience.

Justia (www.justia.com) (full time 2 years)

- Senior web developer. Coordinate and establish workflow with an establishing team at the Mexico office in coordination with the Silicon Valley office.
- Developed free legal content websites and services building web spiders to fetch content from government resources.
- Project leader and Information Architect for several websites like: <http://autorecalls.justia.com>, <http://recall-warnings.justia.com>, <http://answers.justia.com>, <http://mexico.justia.com> and 18 legal sites for all spanish-speaking Latinamerican countries and 1 in Portuguese (Brazil), among several others.
- Contributing author to <http://onward.justia.com>, Justia's legal blog.
- Started the social media initiatives, building a community of over 85,000 followers on Facebook and Twitter for the Mexican and Latin American legal communities.
- Search Engine Optimization (SEO) for legal sites.

DaniloBlack USA Consulting (full time 2 years)

- Senior web developer and consultant, implementing and adapting the Drupal open source CMS software for the company's clients needs. Module and theme development as a daily task.
- Usability engineer. Testing, evaluating and improving web interfaces to improve the user's experience. Also accessibility considerations by the W3C WCAG 1.0 guidelines.
- Main systems administrator, working with the company's web, database and version control server software to provide service to beta testers and our core group of 10 developers and designers (DevOps).

GNU Webmaster (www.gnu.org) (volunteer work)

- Webmaster at GNU working remotely in coordination with the Free Software Foundation board members and staff. GNU is the free software, mass collaboration project, including the popular GNU/Linux operating system.

Secretaría de Educación Pública (SEP) (external consultant 6 months)

- Developed a Javascript library and front end GUI for an experimental technique to aid students to learn foreign languages.

Grupo PCX (full time 6 months)

- Main developer and architect of a web services API for the search engine and portal <http://www.horadecomer.com> using JSON responses and Zend Framework on the backend.
- Implemented standards and work flow for development for a group of 4 developers and designers.

Incortam (external consultant 2 years)

- Developed and maintained the company's website, an medical heart institute. Site deployed using Drupal CMS.
- Main technology consultant for all the company's technologies needs.
- Designed main company's logo and brand.
- Developed an internal electronic medical record application to keep track of patients care and doctors annotations.

Proyecta Soluciones Empresariales (external consultant 2 months)

- Developed a web site and reservation system for the Expo China 2007 event.
- Put together and lead a group of 3 designers and developers.
- The web site was in three languages: English, Spanish and Chinese. Special considerations on the use of symbols and colors had to be taken to communicate adequately to both the Mexican and Chinese cultures.

Ficachi Consultores (external consultant 2 years)

- Developed and designed a prototype accounting and business information control system for small and medium businesses, in Microsoft Visual C++ with MFC and SQLite3 embedded database.
- Ported the C++ prototype to web technologies.
- Developed and designed an accounting assistance system prototype using Ruby on Rails.

ACM Crossroads Magazine (<http://www.acm.org/crossroads>) (volunteer 3 years)

- On-line Editor of this international students magazine based in New York. Working with a large group of masters degree and doctorate students of different universities around the world. The magazine has an emphasis on web accessibility and the use of strict standards recommended by the W3C like XHTML 1.0 Strict, WCAG AAA 1.0 and CSS 2.0.
- Coordinated with a large international team of editors and assistant editors, all ACM members.

