Noe Nieto - Software Engineering

I am a full stack web developer that enjoys developing beautiful and functional web applications with Python, HTML, CSS, Javascript. I feel very comfortable working with Linux on the command line.

Personal information

Full name:

Noe Misael Nieto Arroyo

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31

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Nationality:

- Mexican (Detailed information is available upon request)
- Can travel to the United States with Visa B1/B2

Find out more about me in the following web sites

- My personal page - http://noenieto.com
- My personal blog - http://blog.noenieto.com
- LinkedIn Profile - http://www.linkedin.com/profile/view?id=84300665
- GitHub - https://github.com/tzicatl
- BitBucket - http://dev.noenieto.com/
- Twitter - https://twitter.com/tzicatl

Skills

- **Software libraries and frameworks**

  - *For web development* - Plone, Zope and Grok - Pyramid - Django - CakePHP - JQuery, jQueryTools, jQueryUI, AngularJS - CoffeeScript

  - *For databases* - SQL, MySQL and PostgreSQL. - SQLAlchemy, ZODB

  - *For linux applications* - Gstreamer - Gtk+ / PyGtk

- **Testing and automated testing**

  - *For python applications* - Unittest, zope.testing, zope.app.testing, plone.app.testing, nose, Selenium

- **Programming, scripting and markup Languajes**

  - *High proficiency* - Python, JavaScript, HTML, XML, CSS, Bash, JSON, XSLT, ZCML, PHP

  - *Lesser proficiency* - I haven't used them within the last 24 motnhs. - C, C#, Java, Matlab, Perl, .NET, Ruby, Assembler for microcontrollers.

- **Development Tools**

  - Compilers and build systems - zc.buildout, Python setuptools, GNU Makefile and autotools.

  - Automated testing - Python unittest, plone.app.testing, zope.testing, PhantomJS and JasmineJS.

  - Source Code Management tools - Git, Mercurial, Bazaar and Subversion.

- **Linux server administration**

  - 6+ years as linux admin for web servers. 10+ as regular Linux user.

  - Proficient with Ubuntu, Debian, Fedora, CentOS, RHEL and Amazon's AMI.

  - Confiuration and management of different opensource RDBMS like MySQL, PostgreSQL, SQLite, and ZODB. Sizes range from 1mb to 150 GB.

  - DevOps: Amazon Web Services, Fabric (python).

- **Electronics Engineering**

  - Data acquisition systems (Voltage, Current, Pressure, Fuel flow, and Vibration).

  - Experience with the following systems/brands: Dewetron/Dewesoft, Scanivalve, LEM, B&K, Ectron and Ametek.

  - Hardware platforms: NI PXI, Dewetron, Scanivalve, LDS Genesis.

Professional Experience

Proof of employment and references can be requested personally.

- **NNieto Consulting Services** - *Freelancer*

  - This is my own business; I started it on April 2011. I provide software development services and training. I've worked with different companies and intsitutions in Mexico and Argentina.

    - **Homeviva**, an Argentinian startup in the construction industry. My role here is as a full stack developer. *Key technologies*: Linux, nginx, Python, Grok (first iterations of the project), Pyramid, PostgreSQL, JSON and AngularJS. I've been working for them since August 2011. *Website*: http://www.homeviva.com.ar

    - **Centro de Psiquiatría y Psicología Holokinética** (CPH). CPH is based in Mexicali, Baja California, Mexico. It is a non-profit organization that promotes Holokinetic Psychology and Unitary Perception. I've been helping them to build their E-commerce site for books, audios and DVD's. *Key technologies*: Linux, Plone (First version of the site), Django (a new version of the site, due in June 2013), PayPal. I've been working with them since March 2010. *Website*: http://www.holokinesislibros.com/

    - **Venddo**, a Mexican Startup based in Mexico City. They analyze information in social networks to identify profiles of potential customers. I've been working for as a backend developer since March 2013. *Key technologies*: Python, SQLAlchemy, twitter API. *Website*: http://venddo.com/

    - **AlfaOmega Grupo Editor**. AlfaOmega is one of the biggest publishers of technical books in Latin America. They have offices in Mexico City, Colombia, Argentina and Spain. I worked with them to port their e-learning platform from Plone 3 to Plone 4. I also gave them Plone development trainning courses for their in-site developers. From March 2011 unitl May 2012. *Website*: http://libroweb.alfaomega.com.mx/

    - **Universidad Pedagógica Nacional**. Plone migration consultant. May 2011. *Website*: http://www.upn.mx/

    - **WAM - Ready2Fill**. Based on Oaxaca, Mexico, Ready2Fill develops business solutions with free software. I wrote a Python training course for their team of engineers so they could start developing their solutions with Django and Python. October 2011. *Website*: http://Ready2Fill.com/

    - **Insignia Diseño**. Design agency from San Luis Potosí, México. I developed their portfolio gallery. *Key technologies*: CakePHP, jQuery, jQueryTools. *Website*: http://insigniadiseno.com/portafolio/

- **iServices de México** - *Web/Python developer*

  - In charge of integration/development and maintenance of their in-house LCMS systems. My activities involved Linux System administration, project management, Web Software development, Software engineering and maintenance with the Plone CMS and emergency assistance in case of software failure.

  - Time span: January 2009 until April 2011.

  - Location: Puebla and Mexico City.

- **Honeywell Aerospace de Mexico** - *Data Acquisition Engineer*

  - As a Data Acquisition Engineer I was in charge of the commissioning and operation of hardware and software. I also played a developer role for in-house software tools. Also, I was specialist in pressure, temperature, voltage, current and vibration measurements as well as video over IP and networking. Our team was also in charge of assuring that our instruments were always calibrated

with traceability to the NIST and always ready for use, that included dealing with purchasing and supply chain departments.

- Wide experience in Video Over IP and Networking as a result of intern projects.

- Time span: From May 2006 until December 2008

- Location: Mexicali, Phoenix.

- **Gameloft S de RL** - *Multiplayer programmer*

  - Implement test and deploy modifications of the multiplayer server (written in C++) and multiplayer API used in networked games for mobile phones.

  - Implement, test and deploy modifications needed to support specific models of cellphones by the different game titles published by Gameloft.

  - Time span: February to May, 2006.

  - Location: Mexicali.

- **Centro de ingenieria – Instituto Nacional de Astrofísica Óptica y Electrónica** - *Internship. Embedded systems laboratory assistant*

  - Work related to data acquisition, real time, tracking and control systems.

  - Time span: 2006.

  - Location: Tonanzintla (Puebla).

- **FreeLance IT Consultant**

  - Basic computer training and computer technician. Installation of voice and data networks, independent software developer.

  - Time span: 2000 – 2005

  - Location: Puebla.

Education

- **Instituto Tecnológico de Mexicali** - *Master's degree in Electronics Engineering*

  - Only first two semesters.
  - Time span: Between August 2007 and June 2008.

- **Arizona State University**. *Data Acquisition training seminar by JACMET group*

    - This course is part of a series that leads to a JACMET Engineering Instrumentation Certificate. This course takes a practical viewpoint and covers the specification, application and extendibility of data acquisition systems.

    - Time span: Three weeks on September 2006.

- **Instituto Tecnológico de Puebla** - *Electronics Engineering*

    - Instrumentation and control specialization.

    - Kalman filter simulator as internship project on "Centro de Ingenieria" - INAOE.

    - Installation of a 8-node cluster in the parallel computing research laboratory of the Instituto Tecnologico de Puebla as social service.

    - My Thesis *"Sistema de Vigilancia con video sobre TCP/IP"* demonstrates the possibility to build surveillance systems by using only Free Software and Open Source tools like Linux and Gstreamer.

    - Time span: Between August 2000 and December 2006. Thesis defense on September 2012.

- **Universidad Popular Autónoma del Estado de Puebla** - *Computer programmer technician (diploma)*

    - Proficient in C, Basic and Pascal.

    - Time span: 1997 to 2000

Training and Conferences

- **X Jornada Académica, Social y Deportiva 2012** - *Nov. 12th-16th, Instituto Tecnológico de Oaxaca, Mexico*

    - 20 hour python course for students of Software Engineering.

- **Seminario de Aplicaciones de las Tecnologías de la Información y Comunicaciones** - *Sept. 3rd-7th, Instituto Tecnológico de Puebla, Mexico*

    - Speaker. One 45 minute talk about basic multimedia applications with GStreamer.

    - Trainner. Five-hour Python course for newcomers. Attendants included students and teachers of the IT Academia of the ITP.

- **PyCON US 2012** - *March 7th-15th, Santa Clara, CA.*

    - Conference attendant and sprinter.

    - **Attended to the tutorial DevOps for Python: Doing More With Less**
        https://us.pycon.org/2012/schedule/presentation/286/

- **FLISOL 2011** - *April 9th, Puebla, Puebla*

    - Speaker. I talked a bit about the GStreamer Framework.

- **PyCON US 2011** - *March 9th-17th, Atlanta, GA.*

    - Conference attendant and sprinter.

- **PyCON US 2010** - *March, Atlanta, GA.*

    - Conference attendant and sprinter.

- **PyCON US 2009** - *March, Chicago, IL.*

    - Conference attendant and sprinter.