

# Noe Misael Nieto Arroyo

→ Details are available upon request.

**Keywords:** SysAdmin, Linux, Windows, Developer, Backend, Frontend, DBA, FLOSS, Python, JavaScript, PHP, PostgreSQL, MySQL, jQuery, AWS, Django, MongoDB, Celery, RabbitMQ, HTML, CSS, Node.js, Silvaco, TCAD, Solar cell, Semiconductors, eCommerce, Paypal, Compropago, Gtk+, GStreamer, Plone, Django, Psychology, Pyramid, Git, BitBucket, Django-LFS, Laravel, Bootstrap, Foundation, Electronics, Semiconductors, Vagrant, Docker, GSOC 2018.

## Work Experience

- **Google Summer of Code 2018.** I added the first pieces needed to do basic simulation of Solar Cells with the DevSim TCAD. Pure Python implementation.
- **Holokinesis Libros** - Consulting; eCommerce, Django, HTML and sometimes Drupal.; Mexicali (Since 2010).
- **Social Reality** - Sysadmin + DBA; LAMP, SQLServer; Mexicali (2015 ~ 2016).
- **Valutech Outsourcing S.A. de C.V.** - Sysadmin (Windows & Linux) DBA (SQLServer, MySQL, .Net); Mexicali (2013 ~ 2015).
- **Homeviva (Defunct)** - Sysadmin (Linux + AWS), Grok, Pyramid, AngularJS 1.x, Virtualization; México (Puebla, Mexicali) & Argentina (Córdoba) (2011 - 2013)
- **FreeLance & IT Consultant** Puebla, Mexico City, Oaxaca (2011).
- **iServices de México** - SysAdmin, frontend and backend with Plone & Django; Puebla (2009 ~ 2011).
- **Honeywell Aerospace de Mexico** - Data Acquisition Engineer and custom software with LAMP, VNC and GStreamer; Mexicali (2006 ~ 2008)
- **Gameloft S de RL** - Multiplayer programmer (C++); Mexicali (2006)
- **Centro de ingeniería INAOE** - Internship. Embedded systems, Kalman filter implemented in Matlab, C & Assembler for microcontrollers; Puebla (August-December 2005).

## Certifications

- SCRUM Master Accredited by International SCRUM Institute #79778815187513 (May 2015).

## Education

- **June 2018;** M. Eng, UABC Mexicali. Simulation of solar cells using Silvaco TCAD

- **September 2006;** Arizona State University; *Data Acquisition training seminar* by JACMET group.
- **September 2012;** Electronics Engineering, Instituto Tecnológico de Puebla. *Sistema de Vigilancia con Video sobre TCP/IP*
- **June 2000;** Computer Programmer technician diploma, Universidad Popular Autónoma del Estado de Puebla; MS-DOS, Basic, Pascal and C.

## Instructor and Speaker

Every now and then I participate in events mainly related to Free/Open Source Software, either as a speaker, trainer or attendee.

- **Taller intensivo de Python** - November 4, 2017. 5 hours in Mexicali Baja California.
- **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.
  - Trainer. Five-hour Python course for newcomers. Attendants included students and teachers of the IT Academia of the ITP.
- **FLISOL 2011** - Introduction to the GStreamer multimedia Framework; April 9th, Puebla, Puebla;

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