Jorge A Orpinel Perez

Résumé – 2017

Contact

347-855-6743
jorge@orpinel.com
linkedin.com/in/**jorgeorpinel**

Key Experience and Skills

Over 10 years experience in **full-stack web development** and **IT service management**

Formal **software engineering** background (full SDLC): Analysis/design, architecture, integration, QA

Master studies in music and audio informatics: digital signal processing, audio synthesis, et al.

Current Technologies	Multimedia / Interactive	Other
Python, PHP, Javascript / Node Django, WordPress, MVC Java, C++, Matlab	Max/MSP, PortAudio JSyn & JMSL Csound	Cloud infrastructure (AWS) MySQL, Postgres, NoSQL Linux, Windows, Mac OS

Employment

Independent Contractor (remote)

Systems Architecture, Release Management, Quality Assurance, et al.

- ✓ **Email System and Web Application** for **CLINK! Gift App** [AWS, Windows Server, ACH files, PHP/Laravel, SFTP, SMTP]   clink.nyc
  Payment clearance automation and reporting   **Nov 2017 – cur.**

- ✓ **Email System and Web Application** for **PXA Corp/ Hammock (Fintech)** [Amazon Lambda, Python Django, QuickBooks Online API and Webhooks] gethammock.com
  Accounting/Bookkeeping automation for this financial startup   **Jan 2017 – cur.**

- ✓ **Web Application** (responsive) for **PeopleMovers** [AWS, GitHub, PHP CodeIgniter, Angular, Web Sockets]   peoplemovers.com
  Led team to transition website from monolithic into service-oriented architecture, improving scalability/availability; Implemented many features.   Oct 2016 – Sep 2017

- ✓ **REST API** Client Library **Test Suite** (unit, integration) for **GoneBusy** [PHPUnit, Swagger, GitHub]   https://gonebusy.github.io/libraries   Jan – Jul 2017

- ✓ Corporate Website **Translation System** (i18n, l10n) for **Fleishman Hillard** [PHP, Wordpress, WPML]   fleishmanhillard.com   Mar – Aug 2016

- ✓ Multiple Web Apps for ***The Skyscraper Museum***. *Examples:*
  skyscraper.org/cms/vws/ *(2017) [PHP WordPress, JavaScript]*
  skyscraper.org/tenandtaller/*chart/ (2016) [HTML5, Leaflet, D3.js]*   **2009 – cur.**

Sony DADC - New Media Solutions (New York, NY)

Software Engineer – Relentless Generator [SW dev, Entretainment]

- ✓ **Develop** *WordPress* enterprise platform [**PHP**] for **high-availability** network with hundreds of websites in the entertainment industry. (myplay.com)
  Responsibilities: **Back end** (plugin) development, code review, automated testing, deployment, **continuous integration**
- ✓ Release/build management for *WordPress* and *Drupal*, continuous integration & source control [**Jenkins**, **Git**, **Capistrano**] for QA and information security

Dec 2013 – Feb 2016

New York University (New York, NY)

Instructional Technology Specialist – Info. Tech. Svcs. [ITSM, SW development]   Apr – Jan 2014

- ✓ *WordPress* (wp.nyu.edu): service planning and **theme** developer
- ✓ Google Apps for Ed. support lead and domain manager; NYU Wikis [*Atlassian **Confluence***] co-lead

- ✓ NYU Stream (*Kaltura* Video Platform) developer [**PHP**, *Zend Framework*]

NYU (part time)

Technology Specialist – Digital Studio [Audio/Video, web]   Sep '11 – Sep '12
- ✓ Support specialist for various digital technology services
- ✓ Operate analog/digital multimedia equipment and software (imaging, video, & audio)

Research Assistant - MARL (NYU Steinhardt) [Python, Linux, Flash]   Sep '10 – Dec '11
- ✓ Assisted research on a novel musical visualization project funded by the NYU Division of Libraries
- ✓ Developed the Gordon Music Database (demonstrated in ISMIR 2010)

TATA Consultancy Services Mexico (Mexico City)

Data Analyst @ Profuturo GNP insurance co. **[Oracle, LAMP]**   Jul – Aug 2008
- ✓ Designed **relational database schemata** for the company's business models
- ✓ Developed on a proprietary **MVC framework** (PHP)

Software Developer @ Mexican Social Security Institute (IMSS) [J2EE, LAMP]   Nov 2007 – Jun 2008
- ✓ Produced **technical software documents** for large-scale project with national scope
- ✓ Assisted in testing and debugging **Java Enterprise** application [Maven, *WebSphere,* Spring, Hibernate]

Astrata Software, (Santa Fe, Mexico City)

Developer and Project Manager [PHP, MySQL, Apache]   Nov 2006 – Oct 2007
- ✓ Coded various **rich internet applications** (Web 2.0) with *CakePHP*
- ✓ **Lead** for several development projects (2-3 coder teams)

Freelance (part time)

Web Development   2005 – 2016
- ✓ IT Consultant for **The Skyscraper Museum** [Mac OS, Windows, Networking]. Websites:
  skyscraper.org/cms/ (2012, *WordPress*); skyscraper.org/hoh/ (2014, PHP); et al.
- ✓ Active member of open source software development communities, for example:
  https://github.com/jorgeorpinel
  http://stackoverflow.com/users/761963/jorge-orpinel – see also linked communities
  https://wordpress.org/support/profile/jorgeorpinel
- ✓ Several archived projects e.g.:
  sheltonmindel.com (2010 iPad version); neurocienciasmexico.com.mx (2009, *Drupal*);
  Mathematics book chapter at jorge.orpinel.com/proyectos/geometria2005/ (2005, Flash)

Education

Master studies: Music Technology *New York University*, New York City	2009 – 2012

Undergraduate: Computer Systems Engineering
Monterrey Institute of Technology, Mexico City
    Studies abroad: generative computing, A.I. and game theory
    University of Westminster, London (2006)
	2001 – 2006

Scholarships	*CONACYT* (Science and Technology National Council, Mexico) 2-year grant: **2010-12** *Google* / Hispanic College Fund Scholarship: **2011-12** *NYU Steinhardt* Dean's Scholarship: **2011-12**
Publications	Demonstration of the Gordon Music Database project at the *ISMIR* 2010 conference at Utrecht, Netherlands. See marl.smusic.nyu.edu/projects/gordon-music-database Demonstration of the Music Inter-Visualizer project at the *ISMIR* 2011 conference at Miami, FL.

Certificates	*ITIL*® Foundations (2013)
	Sony Secure Software Development – PHP (2015)
Notable Coursework	Digital Signal Processing, Audio/Music Programing, Electronics, Psychoacoustics, Musicianship at *NYU Steinhardt*
	Software Analysis & Design, Data Structures, Databases, Computational Theory, Computer Networks, Languages & Translators, Operating Systems, Numeric Methods, Artificial Intelligence, Quality Assurance, Project Management at *Monterrey Tech*.

Languages

Spanish (native, academic)   **English** (excellent, academic)   **French** (basic)

Authorized to work in the USA permanently