**Louis J. Casillas**

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**BASIC PROFILE**

* Self-disciplined, self-starter, and detail oriented.
* Self-professed Linux enthusiast who loves open source.
* Work well under pressure and always excited to enhance my skills.

**PROFESSIONAL CERTIFICATIONS**

* CLA (Novell Certified Linux Administrator)
* CompTIA Security+
* LPIC-1 (Linux Professional Institute Certification)
* PMP (Project Management Professional) – Studying to take the exam in December, 2014)

**WORK EXPERIENCE**

**Yahoo!**  **Developer Operations (DevOps)**

Sunnyvale, California (06/2014-02/2015)

* Manage 8,000 servers for 8 different software development teams.
* Modernizing Yahoo tools infrastructure through the increased use of open source tools such as Chef, Jenkins, and Docker.
* Review code-bases for reliability, security, usability, and ease of monitoring improvements and provide pull requests to institute improvements.
* Frequently give training world-wide to Yahoo employees as a recognized expert on many in-house tools.

**Yahoo!**  **Service Reliability Engineer (SRE)**

Sunnyvale, California (04/2013-06/2014)

* Managed service reliability for more than 100 properties, ~120,000 hosts, with varying technology stacks and complexity.
* Wrote many tools now used company wide that improve monitoring and code deployments as well as helped fix many code issues other teams were facing in a ‘consultant’ capacity.
* Provided global training to new SRE, Service Engineers, and developers helping create a better global team.

DevOps (Developer Operations)

• Worked as a team lead for the Yahoo! Search developer operations team, managing teams world-wide.

• Managed 8,000 servers for 8 different software development teams.

• Helped modernize Yahoo tools infrastructure through developing many conversion applications that made for an easy transition from proprietary tools to open source tools. Provided global company-wide video trainings on how to utilize open source technologies.

• Reviewed Yahoo! Search code-bases for reliability, security, usability, and ease of monitoring. Made improvements and created long-term development roadmaps.

• Frequently gaive training world-wide to Yahoo employees as a recognized expert on many in-house tools.

• Gave Linux and programming lessons to internal employees who wanted to increase their skills or change roles.

SRE (Service Reliability Engineer)

• Managed service reliability for more than 100 Yahoo! teams, ~120,000 servers, with varying technology stacks and complexity.

• Optimized the Yahoo Search alerting systems and brought the daily alerts count from ~16,000 to ~200.

• Wrote many tools now used company-wide that improved monitoring and code deployments.

• Worked as an internal ‘consultant’ helping other teams fix stubborn code issues.

• Provided global training to new SRE, Service Engineers, and developers on Yahoo! internal tools and the path to modernizing Yahoo! infrastructure.

**LCE, LTD Founder / System Admin / LAMP Developer**

Phoenix, Arizona (09/2011 – 04/2013, currently semi-active)

* Founded and ran startup LCE, LTD which primarily dealt with online consumer applications and websites running on Linux servers.
* Performed consulting work dealing with business infrastructure and how open source technologies can improve existing technology stacks.
* Worked as a system administrator to maintain system stability ensuring uptime, redundancy, and optimizing systems wherever possible.

**Tata Consultancy Services Software Development Project Manager**

Cincinnati, Ohio (08/2009 – 08/2011)

* Managed multi-national projects for a major insurance company. Projects primarily used Agile methodology and were mainly based on a LAMP stack.
* Formed good relationships for ongoing business opportunities within diverse client fields. Turned a Proof of Concept with 10 developers into a multi-year contract with more than 45 developers and a net of over $3 million.
* Wrote project guidelines for center Linux-based projects and taught beginner and advanced Linux usage and administration classes.

• Managed multi-national software development projects for a major insurance company. Projects primarily used Agile methodology and were mainly based on a LAMP stack.

• Formed strong business relationships that allowed for ongoing business opportunities. Turned a Proof of Concept with 10 developers into a multi-year contract with more than 45 developers and a net of over $3 million.

• Wrote project guidelines for Linux-based projects and taught beginner and advanced Linux usage and administration classes.

• Wrote internal and open source testing tools that made life easier for my teams.

**TECHNICAL EXPERIENCE**

**Languages** C, BASH, Python, PHP, Perl, HTML/JavaScript/JQuery/CSS

**Software** Git, Jenkins, Chef, Splunk, Docker, nginx, Apache, MySQL, MongoDB, Subversion

**Frameworks** CodeIgniter, Fuel CMS, GTK+, OpenGL, WordPress

**Systems** Linux (Red Hat and Debian based), Windows (95, 98, XP, 7), Wii

**EDUCATION**

**Arizona State University,** Tempe, Arizona

B.S. in Computer Science w/ emphasis in software engineering Graduated December 2008

**PROFESSIONAL MEMBERSHIPS**

* The Linux Foundation (2010 – Present)
* Ubuntu and Fedora Testing Team (2010 – Present)

**A SAMPLE OF OPEN SOURCE PROJECTS**

**MComix** – A comic book viewing program

Language: Python Framework: PyGTK

* Forked the project from the original project Comix.
* Added 20+ new features and fixed many bugs.
* Optimized internal systems and greatly optimized memory and CPU usage.

**ToastX** – A Controller unit testing framework used with CodeIgniter.

Language: PHP Framework: CodeIgniter

* Forked the project from the original project Toast.
* Re-wrote the framework to include greater debugging information and present information visually as well as many added extra UI options.

**GPicView** – An image viewing program

Language: C Framework: GTK+

* Wrote code for animated GIF support and fixed multiple bugs.
* Streamlined data structures and reduced memory use.

**WDPCI** –Wii Dance Pad Computer Interaction

Language: C, Java Framework: None

* Created homebrew software for the Wii that allows a user to control their computer using a Wii dance pad.

**HOBBIES**

Studying, exercise, movies, cryptography, Project Euler (123 problems completed).