

David Ramirez
System Administrator - Analyst

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College Station, Texas

Education

Prairie View A&M University, Prairie View, Texas
M.Sc. Computer Information Systems, 2009

University of Los Andes, Bogota, Colombia
B.S. Electrical Engineering, 1984

Certification Red Hat Certified System Administrator, 2016

Languages Bilingual Spanish/English, fluent German

Technical skills OS: Red Hat / CentOS / Fedora / SUSE Linux / MS Windows
High Performance Computing (HPC): Cray Linux Environment, Rocks, CUDA.
Languages: Shell scripting, C/C++, LAMP stack.
Software systems: KVM, LXD, VMware, CFEngine, IPA, Subversion, Git

Experience

Parasol Laboratory - Texas A&M University
College Station, Texas
Research Engineering Associate III, 2010-current

Responsible for the management of the Parasol Laboratory computational infrastructure, involving research and engineering assignments requiring the development of new or improved techniques and procedures. Support for internal and external collaborators, ensuring quality of service.

System administration for high-performance parallel and heterogeneous systems, including a Cray XE6m Supercomputer, GPU/CUDA HPC servers (Supermicro, IBM), Linux clusters, and 100+ Linux servers and workstations (130+ internal and remote users), and their customization for the laboratory research projects.

Identity, inventory, change and configuration management; hardware and software provisioning and integration, web mastering (3 major websites, various intranet servers), content management system, database servers, revision control, system administration and extensive documentation.

**PVAMU ITS - Sungard Higher Education, Prairie View, TX
IT Support Specialist, 2009 (Intern)**

Internship as MSc student. Data center system deployment, security analyst, virtualization prototyping and testing, second level Active Directory help desk.

**Prairie View A&M University, Prairie View, TX
Research Assistant, 2008-2009**

Diverse professorship and administrative support, ABET documentation, LAMP development, and research activities (as MSc student).

**Web Studio e-Solutions, Colombia
Information Technology Manager, 2005-2006**

Led and managed software development team for company growth initiatives. Supervised the CRM and CMS solutions and infrastructure issues, portals, e-commerce, messaging, and custom development. Red Hat Enterprise Linux and MySQL Integrator. LAMP application hosting (SaaS) and e-mail solutions. Remote system administration.

**I.B.C. Zortek Systems, Panama
Project Manager, 2005**

Responsible for critical network relocation including data center, analog voice, VoIP, and internet services at Tocumen Airport in Panama. Served as liaison between airport officials and multiple contractors for timely service continuity. Completed airport's infrastructure assessment.

**Orion Conectividad de Colombia Ltd., Colombia
Technical Project Manager, 2004-2005**

Deployed first Colombia's countrywide successful large scale Sun desktop environment. Developed migration path from Windows platform to Sun Solaris supplied by Orion as partner of Sun Microsystems. Resolved compatibility issues. Performed training of system administrators and commissioning teams.

**Industrial Taylor Ltd., Colombia
Director of Information Technology, 1993-2004**

Developed the company's Information Office as a critical business support unit, in permanent collaboration with the CEO and department leaders. Architected the company's computing and networking infrastructure, including early adoption of Internet technologies and web presence.

Performed system administration, in-house software development and deployment, and responded for all data processing needs utilizing UNIX, LINUX and Windows based servers.

Siemens S.A., Colombia Electronics Laboratory Manager, 1989-1993

Team leader in charge of electronics servicing laboratory for nation-wide telecommunications infrastructure. Hardware and firmware upgrades, and quality assurance. Designed database applications and format converters to manage the operation and exchange information with the main office in Germany. Participated in field operations in Venezuela.

Professional Development and Activities

Prairie View A&M University, Prairie View, Texas
Computer Science Department
Industry Advisory Council Committee - Member (2012-present)

University of Southern California, Los Angeles, California
Collaboratory for Advanced Computing & Simulations
Workshop on Computational Science - 2009
Implement and deploy computer cluster and perform parallel computing experiments. (Grant from DoE).

University of Saarland, Saarbrücken, Germany
Institute for Informatics and Applied Mathematics
Graduate Internship - Information Technology, 1988-89
(Sponsored by the German Ministry for Economic Cooperation and the Carl Duisberg Society / InWEnt).
Implemented internodal communications at the system level in a distributed architecture computer.

Incca University, Colombia
School of Technical Sciences and Engineering
Design of Integrated Circuits, 1992

Teradyne Inc., Walnut Creek, California
Programming and operation of analog and digital in-circuit testers, 1989.
Training course.