

David Ramirez
System Administrator

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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: Microsoft Windows Server / Red Hat Enterprise Linux / SUSE Linux
High Performance Computing: Cray Linux Environment, Rocks, CUDA.
Languages: C/C++, shell scripting, LAMP stack.
Software systems: Vmware, KVM, CFEngine, IPA/LDAP, MS SQL Server

Experience

Parasol Laboratory - Texas A&M University
College Station, Texas
Systems Analyst II, 2010-current

Responsible for the management Parasol Laboratory research infrastructure. Support for internal and external research collaborators and external dissemination of research products; ensuring quality of service of the computing infrastructure. System administration for cutting edge high-performance parallel and heterogeneous systems, including a Cray XE6m Supercomputer, Supermicro Superserver and Linux clusters, and their customization for the laboratory research projects.

Assist in the organization of research meetings, sponsored project review meetings, and site visits that include internal and external participants.

Identity, inventory, change and configuration management; hardware, networking and software integration, web mastering, content management system, database server, revision control, system administration.

Sungard Higher Education, Prairie View, TX
IT Support Specialist, 2009

Internship as MS student. Microsoft Active Directory 2nd level support for a 8000+ accounts campus. Data center system deployment, security analyst, virtualization

prototyping and testing.

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 MS 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.

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 XP and MS Exchange platform to Sun Solaris / Java Desktop System 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 MS Windows, UNIX, and LINUX 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.

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 programming 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.

Diverse certification level coursework in web mastering, programming, MS SQL Server database management, networking.