

David Ramirez
Senior Linux System Administrator
RHCSA

davidramirezmolina@gmail.com
Cel. +1 979 422 3918
http://www.linkedin.com/in/dramirezmolina
Houston, Texas

Certification Red Hat Certified System Administrator

Languages Bilingual Spanish/English, fluent German

Technical skills OS: Red Hat / CentOS / Fedora / Ubuntu / MS Windows
Software systems: Virtualization (VMware, KVM), Docker, Kubernetes.
High Performance Computing (HPC): Cray Linux Environment, Rocks, CUDA.
Configuration Management (CFEngine, SaltStack), Version Control (Git, Subversion),
Identity Management (IPA), Web server (Apache, HAProxy), Supervisor, Vulnerability
Management: Rapid7/InsightVM.
Documentation (MediaWiki, Atlassian Confluence).
Languages: Shell scripting (bash), LAMP stack expertise.
Infrastructure: Physical and VM server lifecycle, storage, networking, power,
ancillary systems.

Experience

U.S. Expeditors - CPAP.COM

Stafford, TX

Linux Systems Administrator, 2018-2021

Member of the infrastructure staff in charge of supporting a high availability e-commerce platform, with extensive in-house development. Multiple LAMP systems (both intranet and internet-facing), CMS, back-office, VoIP telephony, and warehouse operations.

Main responsible for an extensive structured documentation initiative using Atlassian Confluence. Coadministered Atlassian systems such as Bitbucket, Jira, and Confluence, and e-mail systems such as Zimbra and Mailarchiva.

Configuration management using SaltStack.

Continuous vulnerability assessment and remediation (Rapid7/InsightVM), and systems hardening.

Administrative usage of VMware platform for a 200+ VM Linux farm, including VM lifecycle operations, and interaction with MS Windows Server components and 400+ end point stations.

Familiar with methodologies of the Agile workflow, EOS, SCRUM, and DevOps infrastructure support.

Supporting role in a new technologies project for critical application migration to AWS, including Docker, Kubernetes.

Parasol Laboratory - Texas A&M University

College Station, Texas

System Administrator - Analyst, 2010-2018

Responsible for the management of the Parasol Laboratory research infrastructure. Support for internal and external research collaborators and external dissemination of research products; ensuring quality of service of the computing platform.

System administration for high-performance parallel and heterogeneous systems, including a Cray XE6m Supercomputer (NetApp Storage), GPU/CUDA HPC servers (Supermicro, IBM), Dell servers supporting KVM and VMware virtualization, Rocks clusters, and 100+ Linux VMs and workstations (130+ internal and remote users), and their customization for the laboratory's research projects.

Red Hat Enterprise Linux, CentOS, Cray/SUSE, and Fedora platforms, including commissioning, OS and application migrations, backups and security.

Identity, inventory, change and configuration management; hardware and software integration, web mastering (3 major websites, various intranet servers), MySQL and PostgreSQL database servers, contents management server, revision control, and overall system administration, ensuring compliance with the State of Texas IT regulations.

Extensive documentation abilities supporting administrative collaborators and end users.

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

PVAMU ITS - Sungard Higher Education

Prairie View, TX

IT Support Specialist, 2009 (Internship)

Internship as Master student.

Second level help desk for a 8000+ students campus, Active Directory programming. Data center system deployment, server security analyst, virtualization prototyping and testing.

Prairie View A&M University

Prairie View, TX

Research Assistant, 2008-2009

While following a full time MSc program at the PVAMU, taking care of diverse assignments and projects supporting the Computer Science Department research and administrative activities. ABET documentation, LAMP software development.

Web Studio e-Solutions

Bogota, Colombia

Information Technology Manager, 2005-2006

Managed company technology aspects including overview and administration of the Linux server infrastructure, in close coordination with the CEO and CTO offices. Supervised a software development team for company growth initiatives, including deployment and support of SaaS CRM, CMS, e-mail, e-commerce and messaging solutions, custom development, and infrastructure issues. Red Hat Enterprise Linux and MySQL Integrator.

I.B.C. Zortek Systems

U.S. company operating in Panama City, Panama

Project Manager, 2005

Responsible for critical network relocation including data center, analog voice, VoIP, and internet services at Tocumen Airport in Panama. Coordinated work schedule through airport officials and multiple vendors for timely service continuity. Completed airport's infrastructure assessment towards LAN/WLAN, VoIP, PA and CCTV overhaul.

Orion Conectividad de Colombia Ltd.

Bogota, Colombia

Technical Project Manager, 2004-2005

Participated in the first and successful deployment of more than 200 JDS (Java Desktop/SUSE) workstations, at the time the largest such project in the country, delivered by Orion as partner of Sun Microsystems. Developed plan to migrate from Windows platform. Provided solution to compatibility issues. Supervised development, training of system administrators, and deployment teams.

Industrial Taylor Ltd.

Bogota, 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, software development and deployment, and responded for all data processing needs utilizing MS Windows Server, UNIX, and LINUX based servers. Led the successful deployment of commercial ERP, CRM and POS systems in the company.

Siemens S.A.

Bogota, Colombia

Electronics Laboratory Manager, 1989-1993

Team leader in charge of an 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.

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

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.