David Juarez
Infrastructure System Engineer – DevOps
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San Mateo, CA.

CAREER PROFILE:

IT Operations professional with skills, abilities to quickly incorporate to new technologies, hand-on experience including Unix System Admin-DevOps, knowledge with scripting language **(bash, Python)**, Git. experience, networking concepts such as OSI model, TCP/IP stack, VLANs, DNS, NFS, Cloud computing VMware, AWS, Puppet, Ansible configuration management tools, CI/CD , Jenkins, Terraform.

Web Development knowledge

Professional Summary/Skills   – Software, Hardware:

Web Development	**Knowledge of HTML5, CSS, JavaScript, jQuery, Ajax**
Operating Systems	**Linux (Ubuntu, RedHat, Centos, SuSe), Window (AD), VMware 4.X, 5.X, 6.X**
Unix File systems	**Ext3, XFS, ZFS, LVM, NFS, SAN (FILE, BLOCK)**
Backup Software	**Legato Networker, Veritas NetBackup,**
Cloud Computing	**AWS (EC2, IAM, EBS, S3, Security Groups, VPC, NAT Gateway, Network ACL list, ELB, Autoscaling Groups, HA Architecture Route53, RDS, DynamoDB, CloudWatch,**
Tools	**Knowledge of Ansible, Puppet, Git, Docker, Kubernetes, Terraform, Jenkins.**
Programming Languages	**Unix Shell (bash) Scripting, Python, JavaScript, Java**
Protocols	**TCP/IP stack, OSI, NFS, CIFS, DNS, DHCP, SSH, Autofs,**
Software Applications	**Oracle 11g, 12c, Apache, Apache Tomcat**
Office Technologies	**Basic MS Office**
Management Expertise	**Infrastructure Engineer, Unix System Administrator, DevOps**
Equipment	**EMC Unity500, Celerra, Clarion Storage, MDS Cisco switches, Sun Hardware**

Soft Skills:
- Excellent interpersonal and problem/ solving skills.
- Ability to work effectively in a fast-pace deadline-oriented environment and adapt to change productively.
- Ability and experience to adapt to new technologies and overcome obstacles.
- Self-motivated, proactive
- Project driven; detail oriented, willing to tackle the details while focusing on the overall project.
- Willing to learn from others as a team player and share my knowledge with others.
- Experience working independently with minimum supervision
- Excellent experience participating in staff meetings

Employment and Work Experience:

College of San Mateo, San Mateo, CA   **2019 – Present**
Student (Attending College as a Continue Student)

- Attending Computer Science and Mathematics classes

Samsung SDSA, San Jose, CA   **2018 – 2019**
DevOps - Unix Administrator

- Liable for the AI at Samsung. Build, multiple services in a cloud environment (AWS) and VMware in a Data Center Env.
- Worked in a team effort with peers to automate build and provision resources in AWS (i.e.EC2, S3 buckets, IAM, Autoscaling, Security groups, Network ACL, ELB VPC, CloudWatch)
- Contributed to a team effort with Docker, Docker build, Docker-Compose, Introduced first stage of Kubeadm (Kubernetes) to the AI environment. Built a functional solution with Kubernetes
- Setup Managed and Troubleshoot VMware cluster (ESXi 6.7). Deployed, troubleshoot, and fix multiple Unix-Linux problems
- Maintained AWS VPC, Route53, S3 buckets, EC2 instances, Security Groups, ACL in VPC, IAM
- utilized Bitbucket for code revision control.
- Setup new users, groups, roles in AWS to access S3 buckets. Configured IAM
- Maintain a VPC in AWS, setting up DMZ zone and internal subnetting.

Exelixis Inc., South San Francisco, CA   **2016 – 2018**
Sr. Infrastructure Engineer - DevOps

- Responsible for the EMC Storage Migration project (EMC Cellera-Clarion to EMC Unity500) through bash scripts
- Built a new infrastructure with VMware 6.5, and RHEL. Deployed, troubleshoot Linux systems, Solaris, Suse Linux.
- Introduced Ansible automation tool to install, upgrade, maintain applications, file systems, permissions.
- Implemented a new AWS presence, deploying EC2 instances using Terraform.
- Setup new users, groups, roles in AWS to access S3 buckets. Configured IAM
- Maintain a VPC in AWS, setting up DMZ zone and internal subnetting.

Oportun Inc., Redwood City, CA   **2015 - 2016**

Sr. UNIX System Administrator – DevOps

- Responsible for provisioning EC2 instances in AWS infrastructure
- Created security groups. Installed and maintain SoftNas software to provide NFS services in AWS.
- Setup and maintain VPC and Route53 in AWS.
- Created shell scripts to fix Security vulnerability on apache.
- Worked with the devops team creating playbooks using Ansible, utilized Bitbucket for code revision control.
- Developed ansible playbooks to upgrade ssh, installed MySQL, apache, Nginx, enabled services to apps and OS.
- Provide Tech support to Unix platforms for developers. Installed Jenkins for the Analytics group.
- Administer Netapp filer, provisioned volumes to provide space to vmware datastore.

CIS Training Courses, San Francisco, CA   **2014 - 2015**

- Python, CCNA, Unix, VMware

Taos Mt. Inc. Consulting   , San Jose, CA   **2013 - 2014**
Technical Consultant   System Engineer-DevOps.

Juniper Networks – Taos   Sunnyvale, CA

- Worked on a team effort with an Architect to migrate physical servers Unix RHEL 5.X environment to the AWS cloud.
- Responsibilities involved the following, creating new instances/hosts in AWS.
- Developed bash scripts using puppet to create Linux instances internally in AWS.
- Provisioned EBS volumes, security groups.
- Set up file systems using LVM. Configured NFS in a Unix cluster. Configured VPC and Route53 for a new environment with Juniper Networks.

Cisco Networks   - Taos   San Jose, CA
Technical Consultant   System Engineer-DevOps.

- Deploy Production/Stage/Dev UCS 420 systems (6000+ vm's, 1000+ hosts). ESXi 5.1. 5.5.
- Setup clusters through vCenter (VMware). Configured iSCSI storage devices add datastores.
- Set together templates for virtual machines in a VMware Infrastructure, configured VM's hardware settings.
- Created Linux vm's using a Linux kick-start server.
- Installed puppet agent to incorporate client systems to a puppet master.
- Setup, modified, defined, declared modules and classes in puppet.
- Applied puppet manifest into a resource catalog.
- Troubleshoot issues with puppet (i.e. revoking, signing new certificates, DNS issues puppet agent, puppet master).
- Created and added new puppet classes via puppet enterprise console.

University of San Francisco – Taos San Francisco, CA

Technical Consultant   System Engineer-DevOps.

- Responsible for setting up a new infrastructure racked-mounted Oracle SPARC T4-1/T5-1 systems.
- Setup network cross connects via patch panel to Cisco Switches in a Data Center.
- Put together a new jumpstart server with Solaris 10 using Oracle Solaris ZFS filesystem.
- Configured ILOM on T4-1, T5-2 Sun servers.
- Configured multiple NICS on Sun Servers to connect to different network segments.
- Installed and configured Oracle Enterprise Manager Ops Center 12C.
- Configured NFS servers to be part of a jumpstart server with Solaris 10.
- Introduced and configured OSSEC Open Source Host-based Intrusion Detection System that performs log analysis, file integrity, checking policy monitoring on a RHEL 6.3 virtual machine.
- Setup and configure a new single sign-on infrastructure using Likewise and AD Windows 2008 R2.
- Created bash scripts to install Oracle dependencies (Libraries) prior to Oracle 11g installation.
- Installed and configured Oracle Database 11gR2 on a RHEL 6.3 virtual machine and on a physical server Dell r610 too.
- Install and managed RHEL 6.3 on servers Dell r610 setting up an internal RAID controller.
- Configured and managed both Solaris 10, 11 and RHEL 6.3 servers on a VmWare infrastructure.
- Setup custom templates, cloned vm's for a testing environment. Managed a VmWare cluster (ESX 5.1).
- Allocate new datastore in a VmWare cluster environment. Troubleshoot and fix network problems with Solaris using snoop and RHEL 6.3 using tcpdump. Setup RHEL 6.x filesystem with LVM

Tek Systems Consulting – Macys.com, San Francisco, CA   2012 - 2013
Technical Consultant   System Engineer-DevOps.

- Responsible for provisioning Linux RedHat VM's in a VMware cluster infrastructure via kickstart using RHEL 6.3.
- Customize VMware templates to deliver Linux Red Hat systems.
- Modified and cloned VMs in VMware 5.x.
- Troubleshoot Linux systems in a VMware cluster environment, installing VMware tools, monitoring Unix file systems,
- Setup DNS client, new file systems using LVM after adding new HD's.
- Configured Dell Severs r710, r720 remotely through iDRAC to Configure RAID controllers.
- Troubleshoot RedHat 5.x, 6.x. Network, filesystem, NFS, DNS problems.
- Setup NFS in RHEL 6.3 (Linux cluster environment).
- Implemented access control through Vintela Authentication Services with RHEL 6.5, 6.3
- Configured a single sign-on authentication with AD.Creating groups, computer objects in AD.
- Evaluated, implemented a Puppet configuration management tool as a project.

- Installed a new puppet master-agent infrastructure.
- Develop new manifests in a puppet environment.
- Engaged in a team effort with Architects to deliver Hadoop Linux servers to be part of a cluster.
- Designed file system custom requirements using VM's VMware 4.x, 5x, physical Dell servers.
- Verified that hadoop cluster processes were running executing 'jsp'. Ensuring datanode, namenode, job tracker and task tracker were started and running accordingly.
- Verified ip configuration specification accordingly under core-site. xm file.
- Obtained reports from hadoop master server.

Tech Workers Consulting – General Electric, San Ramon, CA   2012 – 2012
Technical Consultant System Engineer-DevOps.

- Responsible for building and providing technical and operational support for Unix/Linux RHEL, Solaris10 and ESX/VMware servers.
- Coordinate on a team effort with East Coast SysAdmins creating Unix accounts in a single sign on environment.
- Migrated home directories via shell scripts in Netapps storage.
- Assist developers in all aspects of Unix, troubleshooting network problems, opened remote gnome-session via vnc to Unix VM's in a VMware infrastructure.
- Provide support for a continuous integration and test platform shared by many internal projects.
- Assist developer support on a complete suite of integrated developer tools.
- Setup project shares using netapps via shell script.
- Use of NFS, automounter, build Unix VM's via kickstart, and/or using existing templates and creating new templates in a VMware ESXi 5 cluster.
- Provide support patching Unix systems via yum from internal repos in a VMware Infrastructure. Run and install software updates.
- Assist developers installing Oracle 11g, setting up ORACLE_HOME environment, Install Java 1.6, configure JAVA_HOME environment.
- Assist a DSP (Digital Signal Processor) group installing, testing Atlas software.
- Supported several Internal groups at GE in Unix (Healthcare, Aviation, DSP, Analytics).
- Installed Github enterprise appliance. Nodejs (rpm format).
- Setup a new testing environment with HP-Proliant 580 Installig ESXi 5.
- Installed new memory and rack systems in a new Data Center.
- Installed and configured vCenter 5.1. Created new VM's using RedHat Enterprise 6.x.
- Troubleshoot network issues in a VM network environment.

- Configure VM, adding cpu, memory, virtual disk. Vmotion.
- Installed VMware tools on VM's, racked, and setup a Network appliance FAS3240.
- Add new hardware to Netapps head controllers to establish communication to shelves/enclosures.
- Worked with NetApp Engineer to rack, install, cable NetApp Storage System FAS3200 series.
- Experience with rpm's, yum RHEL, apt-get Ubuntu, patching, compiling with make and pkgadd in Solaris.

Zeus Technologies – Riverbed Technologies, San Francisco, CA   **2011 – 2012**
Tech Support- System Engineer.

- Responsible for providing support and troubleshooting Zeus Traffic Manager (Load Balancer software) running in a multiplatform environment. (VmWare, Linux and Solaris).
- Troubleshoot TCP/IP - Network problems using Wireshark, tcpdump, snoop.
- Debug custom shell and Perl scripts to redirect traffic to back-end nodes (HTTP, TCP/IP Traffic).
- Setup a lab using VMware, installing Virtual appliance to test and replicate customer's problems.
- Provide support to customers via WebEx and adobe connects.
- Proficient troubleshooting TCP/IP in Unix and Windows.
- Great knowledge of the OSI model, and TCP/IP stack.

Wells Fargo Bank - , San Francisco, CA   **2007 – 2011**
System. Analyst – Unix Admin

- Assisted System and DBA Administrators of different departments in a 7X24 environment.
- Responsibilities included host security, performance analysis and corrections, disk space management, responding to network, and hardware failures.
- Provide technical support with Powerbroker security software, and Security Access Software (Vintela Authentication Services) in a multiplatform environment (RedHat, Solaris, AIX, HP-UX),
- Performed TCP/IP network configuration, troubleshooting in UNIX.
- Perl and shell script development (implementation of I/O log encryption detection, worked with shell and Perl scripts for automating regular operational tasks).
- Provided maintenance, enhancement to existing Perl and shell scripts.
- Developed and deployed binary package (RedHat, Solaris) for new releases of Powerbroker software.

- Mentored QA team members onsite/offsite, created step-by-step bug reports, executed and review test cases, logged defects, reported results. In addition, supported testers by reviewing work providing feedback.
- Collaborated with a team executing tests, worked closely with Product Development, Engineering, Support and Operations to ensure specs were completed and catch issues at early stage.
- Participate in a 24x7 on-call support rotation and off-hours maintenance window, OS Security Patch implementation.

Robert Half Technology - VMware Corp, Palo Alto, CA   **2007 – 2007**
Technical Consultant-System Engineer.

- Responsible for troubleshooting, maintenance, administration of a wide variety of servers in a large highly dynamic environment.
- Installation, configuration of UNIX, Linux, VMware, and Windows servers in VMware Data Center, hardware raid configuration, multi-boot Linux installation (Red Hat, Ubuntu, SuSe, ESX 3.x). Along with related networking infrastructure.
- Troubleshooting hardware, software and network problems. Setup network configuration files (primarily DNS and NIC configuration), hardware maintenance and upgrade (NIC, Memory, HD), racked new servers in a data center for testing new software releases.
- Setup a new patch panel infrastructure, performed cross connects running Ethernet, fiber cables across the data center.

Genentech Corp., South San Francisco, CA   **2006 – 2007**
System Analyst
- Supported DBA Administrators to obtain and update asset information utilizing Oracle database, migrating data to SAP.

Milestone-Federal Reserve Bank, San Francisco, CA   **2005 – 2006**
Tech Consultant-Unix Sysadmin

- Responsible for providing remote technical support to users performing hardware and software troubleshooting in a Windows environment.
- Setup vpn client configuration for remote users, software installation over the network.
- Perform configuration, troubleshooting for Lotus Notes (e-mail client software) synchronization of Notes with Blackberries and Palm Pilots for users to access e-mail via NRAS. Setup remote access through AD in a Windows environment.

Opsource, Santa Clara, CA   **2004 – 2005**
Technical Consultant – Opsource-Microsoft Group

- Responsible for installing, racking hardware (Cisco, Sun, Intel equipment, ADIC tape libraries).
- Performing cross connect to several pieces of network devices, servers, etc
- Added new hardware to different types of servers and Network devices (routers, switches)
- Received new hardware, unpacking and have it ready for new installation.
- Performed reboots, new OS and apps installation requested per ticketing system.
- Responsible for setting up hardware raid configuration (disk mirroring) for Dell and Compaq servers previous to OS installation.
- Build new systems through kickstart server over the network.
- Hardware maintenance, and updates (Intel and Sun)

X.O. Communications, Fremont, CA   **2000 – 2004**
Sr. UNIX System Administrator Data Center Operations Dept.

- Responsible to manage Unix (Sun and Linux RH), Windows environment in two Data Centers (Fremont and San Jose, CA.)
- Setup/Configure a jumpstart server with Solaris 8, setup a NFS server, Automounter in a Unix environment.
- Built systems over the network through a jumpstart server in Sun, kickstart in Linux (Red Hat) and ghost in Windows platform.
- Support customers with Apache, Sudo, and DiskSuite, Network configuration (TCP/IP, DNS) in Unix, Linux and Windows.
- Assisted customers installing Oracle 8i (Database) software, providing tech support to customers with Solaris, RH and Windows.
- Setup and maintain a backup solution with Legato Networker 6.1.3, attached an ADIC tape library (Scalar1000 and Scalar220) running in a Sun E250 with an A1000 attach to it.
- Configured RAID 5 with Raid Manager 6.22, to keep customer's data. Performed data recovery per customer's request.
- Accessed servers remotely through a terminal server through ssh in Unix platform and PCANYWHERE in windows to troubleshoot hardware/software problems.
- Worked on troubleshooting hardware, performed updates on Sun (E250, E420r E450, E4500, Intel, (Memory, CPU, HD, etc.) and Cisco.
- Setup/Configure Cisco devices for customers, Lantronix and Annex terminal servers
- IP block assignment from Cisco Catalyst 6509 to customer's intranet.
- Cisco Hardware Maintenance, IOS upgrades.
- Performed Cross Connects with Cat 5 UTP cable, DS3 and T1 Lines.
- Implementation of New Patch Panel, wiring for new customers.
- A Cisco switch was configured to attach clients on a non-routed network (back up network) to support several clients (Windows, Linux, Sun) Prepared proper documentation to rotate tapes and send tapes offsite for storage.

- Worked with Network Engineers setting up VLAN's, providing IP blocks (IP's class C) when requested by customers, in some circumstances providing two IP blocks to be routed through a firewall (PIX, Checkpoint).
- Setup access list, ip routing, RIP, EIGRP and OSPF, planning intranets for customers with Cisco equipment
- Performed cross connects from Routers/Switches through patch panels to servers and other Cisco devices. Worked on setting up T1, DS3, point-to-point Ethernet (1000Mps), analog lines to customers
- Worked on a heavy environment doing remote hands for customers in Sun, Linux, Windows and Cisco.
- Planned with Facility Personnel, Network Engineers new staging area for new customer areas.
- Provided back up support to Facility Manager and Network Engineer when needed.
- Participate in a 24x7 on-call support rotation and off-hours maintenance window, OS Security Patch implementation.

ORACLE CORPORATION, Redwood Shores, CA   **1999 - 2000**
Infrastructure System Engineer Field Technical Services Dept.

- Responsible for maintaining several Unix/NT Servers (Sparc, Ultra, Enterprise, Dell, Compaq Equipment) as a System Administrator.
- Installation of Sun Solaris 2.6, Oracle 8.0.4; Oracle 8.0.5 and Oracle Application Server 4.0.7.
- Creation of ksh scripts to run daily backups on several UNIX systems using tar, ufsdump
- Tuning and monitoring production UNIX servers to improve performance locally and on a Network environment.
- Patching Sun servers frequently for a better performance with Oracle software and Databases.
- Provide support for databases running on Unix Sun Solaris 2.x and NT, Migration of Sun 2.5 to 2.6, Oracle Application Server 3.0.2 to 4.0.7.
- Hardware upgrades in Enterprise and Ultra Sparc Sun Systems. Disk space added to these systems, formatted to new file system (ufs). Per specific mount point request and needs.
- Creation of user accounts including Oracle user per Oracle requirements, implementing security to user accounts and setting up a print services in UNIX Setting up DNS for Sparc, Ultra stations and Enterprise systems to participate on a network environment.
- Setting up NFS to Sun Systems (Client/Server) to share file information over the network.
- Setup maintain Several NT file/print servers. Implementation of Net backup (Veritas for Windows) Performing desktop support to users by installing Oracle Base Image (OBI) and a diverse of Oracle Software for Windows 95/NT 4.0
- Troubleshoot ora.init file by login in as DBA, shutting down and restarting databases when needed.\
- Monitoring database processes and working with DBA administrators on regular basis.

Special Projects:

- Handled and participated in DHCP transition of 800 Bridge Parkway, 1 Lagoon, Shore Center Building, from 100 through 600 Buildings (Oracle Parkway; Redwood Shores, Ca.; Oracle Headquarters) with Global Networks.
- Installation and Configuration of UNIX Solaris 2.6 for an Ultra 10 for testing development.
- Installation of Oracle 8.0.5 (Enterprise Edition) Oracle Application Server 3.02 and 4.0.7 for Solaris 2.6 and NT 4.0 Server/Workstation
- Installation of Solaris 2.6 for an Enterprise 450, 4500 (Sun Solaris Server) for Education Dept (Oracle University).
- Customized mount point configuration for client requirements.
- Setup NFS to an Enterprise 450 for Worldwide Operations Group (WWOS)

ORACLE CORPORATION, Redwood Shores, CA   **1998 - 1999**
Americas Technical Operations Department
Technical Support Specialist

- Responsible for Customer Support first tier support and product support in East, West Coast and Head Quarters locations.
- Responsible for setting up client environment in different classrooms locations in Oracle University.
- Rebuilding systems over the network and installing the necessary software for several classes (Oracle Server/Client software to access databases through UNIX and different applications.
- Setting up Oracle Databases every week for new classes (Oracle University)
- Customer Support first tier and product support of Oracle 8, Application Server.
- Troubleshooting Network Databases (tnsnames, sqlnet.ora files, etc) to access databases running on Sun Solaris 2.6 for different users running on Sun Solaris 2.6 for different users Nation-Wide.
- Customer Support and PC support.

Education:
Bachelor's in computer science and Electrical Engineering in progress
University of California Ext. at Berkeley, CA
City College of San Francisco, S.F., CA.
College of San Mateo, San Mateo, CA.
Training at Puppet Labs – 2013 – Portland, Oregon
Python – City College of San Francisco, CA
Python – College of San Mateo, CA
Python – General Assembly San Francisco, CA.
Ruby, Ruby-on-Rails – General Assembly – San Francisco, CA.
Shell Scripting – Intro to programming in C – UC Berkeley Ext. 2013
Unix System Administration –UC Berkeley 2013
VMware vSphere 4.1, Install, Configure, Manage ESX 4.1, ESXi, and vCenter Server **(VMware training course)**
CCNA – City College of San Francisco
CCNA – AMFASOFT Corporation
Attended Hadoop training– Data Inquest Inc**.**

Software / Hardware Courses Completed/ Certification:

Internetworking TCP/IP (U.C. Berkeley)   Network Protocols (U.C. Berkeley)
Network Services (NFS, DNS)   Local Area Networks (U.C. Berkeley)
Unix System Admin (U.C. Berkeley)   UNIX System Architecture (U.C. Berkeley)
Unix/Linux Sysadmin Essentials (U.C. Berkeley)   Unix System Operations (U.C. Berkeley)
System Administration (Sun Microsystems)   Advance Unix System Administration (Sun
Microsystems)
TCP/IP Network (Sun Microsystems   Python Programming (CCSF, CSM)
UNIX Shell programming (CCSF)   Shell scripting, C programming (U.C. Berkeley)
Perl scripting (AcademyX; SF, CA)   Apache Web Server (CCSF)
Oracle 8 Database (Oracle University, Oracle Corp.)   PL/SQL
Programming (Oracle University, Oracle Corp)   Oracle Database (Oracle University)
Hardware (E4500, E5000, E6000, Sun Microsystems)   Dell Certified Hardware Technician, March 1998
Certified Network Engineer (CNE) Curriculum.