**Fernando Ocampo**

**Senior Linux Admin/EDA Infrastructure**

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**Professional Summary:**

**• Senior** Linux/Unix System Admin and DevOps with 10 years of experience in support for platforms from Telcel, Verizon, Sprint and AWS services, migration activities for HP, DXC in different environments, staging, production, mission critical and cloud services and currently Admin and support infrastructure for ON Semiconductor. Manage and Install EDA licenses for customer MATLAB, CADENCE, SYNOPSYS, MENTOR, ANSYS, ETC

I currently work, giving 24x7 support to on semi designers, in which I work with tickets from a P1 to a request, my day-to-day work is the solution of tickets and continuous improvement with safe, I also work with escalations and continuously with other teams for incident resolution. I also work with some guards on weekends so that the operation is always covered.

• Working Experience on **Azure Cloud Services**, **Azure** **Storage**, **SQL** **Azure** and in different PaaS

• Experience in Installing **Firmware Upgrades**, **kernel patches**, systems configuration, **performance** **tuning** on **Unix/Linux systems**.

• Skilled in managing hardware servers for 4 years, encompassing installation, maintenance, and optimization of server hardware components.

• Installed and configured Oracle Database on Linux platforms, ensuring compatibility and optimal performance.

• Monitored System/Application Logs of server using Splunk to detect Prod issues.

• Proficient in handling various server models and configurations to ensure smooth operation and optimal performance.

• Experienced in working with Dell servers and storage systems, including setup, configuration, and troubleshooting.

• Experience managing RHEL systems at scale using RedHat Satellite Server.

• Hands-on experience managing and maintaining RHEL 7/8/9 environments.

• Knowledgeable in PXE (Preboot Execution Environment) boot setup and configuration for network-based operating system deployments.

• Proficient in installing and configuring MySQL on various Linux distributions such as Ubuntu, CentOS, and Red Hat.

• Experience with web and application servers **(Apache http server, Tomcat)**..

• Extensive experience in setting up the CI/CD pipelines using, **GitHub** and **AWS**.

• Worked with **Ansible** playbooks for virtual and physical **instance provisioning**, **configuration** **management**, **patching** and **software deployment**.

• Experience with, **MSSQL**, **MySQL** and **Server DB** Tasks.

• Managed Oracle databases, handling tasks such as user management, schema design, backup and recovery, and performance tuning.

• Experience in Process **monitoring** and **debugging** using tool such as **Nagios**.

• Familiar with concepts and tools used for building custom Linux images for system deployment.

• Python, Ruby, and Golang for scripting and automation tasks.

• Basic knowledge of Git, including branching, committing, and merging for version control.

• Familiar with writing simple shell scripts for automating tasks in Linux environments.

• Adaptable, with effective cross-cultural communications skills.

• AWS Architect with certificate

• Experience working with **AWS/RedHat** Infrastructure design, deployment, and operational support.

• Proficient in installing and configuring MariaDB on Linux servers, ensuring optimal performance and security.

• Troubleshooting backup and restore problems and performed day-to-day trouble shooting for the end users on **Solaris** and **Linux** based servers.

• Optimized Linux kernel parameters to improve performance.

• Creation of VMs, cloning and migrations of the VMs on **VMware vSphere 4.0.**

• Working with terraform plan and deploy infrastructure.

• Working terraform state

• Working with workspaces

• Experience in setting up and configuring Kubernetes clusters from scratch, ensuring optimal performance and scalability.

• Skilled in connecting Kubernetes with Docker, deploying containerized applications efficiently across clusters.

• Understanding of continuous integration (CI) systems and their role in automating software development pipelines.

• Basic awareness of GitHub Actions and Concourse CI for automating testing, building, and deployments.

**• Self-motivated team player with excellent interpersonal and technical documentation skills and handling multiple projects simultaneously.**

**• Performing Windows OS upgrades, including major version migrations and patch management, to ensure system stability and security.**

**Technical Skills:**

**Operating Systems**

RHEL/Cent OS 5.x/6.x/7, Ubuntu/Debian/Fedora, Sun Solaris 7/8/9/10, Windows Server

**Automation/Build/Configuration Tools**

Ansible

**Container Tools**

Docker, Kubernetes Introduce

**Cloud Platform**

AWS, Azure,

**Database**

Oracle, MySQL, SQL Server

**Web/Application Servers**

Apache Tomcat, WebSphere Application Server, JBoss.

**Bug Tracking Tools**

JIRA, Kanban board, ITIL, SCRUM

**Version Control Tools**

GitHub, Subversion.

**CERTIFICATIONS**

**ANSIBLE REDHAT 3 with certificate (Sept-22)**  
**AWS ARCHITECTING ON AWS with certificate (AWS) – February- 22  
AWS ARCHITECTING ON AWS with certificate (AWS) – July 21  
AWS CLOUD PRACTITIONER ESSENTIAL with certificate (AWS)  
KABAN FOUNDATION KIKF with certificate**

**TRAINING/EXP  
  
Linux: Storage Systems  
Learning Linux Command Line  
Linux: Firewalls and SELinux  
Linux: Web Services  
Linux: Shells and Processes  
SQL Essential Training  
Running Jenkins on AWS  
Learning AWS CloudFormation  
Azure Administration**

**WORK EXPERIENCE**

**Onsemi Semiconductors Inc., San Jose CA April 2023 to Present**

**Senior Linux Admin/EDA Infrastructure**

• Monitored System/Application Logs of server using Splunk to detect Prod issues.

• Troubleshooting backup and restore problems and performed day-to-day trouble shooting for the end users on **Solaris** and **Linux** based servers.

• SysAid manage ticket

• Managed MariaDB databases, performing tasks such as user management, schema design, backup and recovery, and security hardening.

• Conducted database administration tasks including user management, schema design, backup and recovery, performance tuning, and security management.

• Extensive experience in installation, configuration, troubleshooting, and maintenance of Linux environments.

• Handling problems or requirements as per the ticket (Request Tracker) created.

• Manage and Install EDA licenses for customer MATLAB, CADENCE, SYNOPSYS, MENTOR, ANSYS, ETC

• Admin EDA licenses FlexLM and not standard (Installing, manage option files and daemons, usage, reports)

• Purchase licenses like EDA-on tap (cadence) generate licenses from Synopsys in smart key portal

• Proficient in implementing PXE boot solutions for automated OS installation and system provisioning.

Generate licenses for Mentor

• Provide Training cadence for designers

• Proficient in administering Linux-based systems, including Red Hat and CentOS distributions

• Support Server for User NS, HS,RS

• RHEL identity Management

• Phyton scripting for automation task or procedures.

• Manage and Design Centos machine por CAD team and support Tool Repository

• Ticket Surveying Incident Management, Change Management, Problem Management Installation of On semi products.

• Monitoring and support of Platforms for OnSemi Services, Splunk\

• Solving Problem P1, P2, P3.

• Methodology DevOps for daily task.

• Create Linux account and Home directory for designers

• Install new servers in datacenter and provide support (Core site)

• Create account using LDAP

• Create profiles in ETX and assign user roles and groups

• Installs firewalls and updates

• Use SolarWinds for monitoring servers

• Manage Infoblox

• Creation of VMs, cloning and migrations of the VMs on **VMware vSphere 4.0.**

• Manage option file in licenses for access users .opt and restrictions like INCLUDE, MAX, RESERVE, EXCLUDE

• Support HPC system

• LSF management(Jobs, task, proceses, simulation)

• HPC cluster manage and support

• Skilled in building server boxes from scratch, including hardware assembly, OS installation, and configuration.

• Work with Physical server’s in Coresite, installing, managing and decommissioned.

• Work with Dell for supporting our servers, creating tickets and escalation.

• Work with IDRAC 9 to support our servers

• Fix Dell servers (Replace DIMM, CPU, Motherboard)

• Dell server minimum configuration test and Troubleshooting

• Upgrade BIOS, firmware and drivers

• Diagnostics using swiftly

• Work with IDRAC 9 to support our servers

• Cable Management

• Works with network team for DNS configuration and support issues with the switches or ports.

• Fireball configuration console

• Tanium Mangment

• Experienced in providing break-fix support for Linux systems, diagnosing and resolving hardware and software issues promptly.

• Proficient in troubleshooting server-related problems to minimize downtime and ensure system reliability.

• Used Kubernetes with Docker, deploying containerized applications efficiently across clusters.

• Proficient in managing Dell hardware components to meet business requirements effectively.

• Manage DCIM, Data Center Operations Metrics – Add-edit-modify.

**NXP Inc. San Jose CA Nov 2021 to April 2023**

**Senior AWS Linux Admin**

**Responsibilities:**

• Followed Agile methodologies and implemented them on various projects by setting up Sprint for every two weeks and daily stand-up meetings.

• Experience working with **AWS/RedHat** Infrastructure design, deployment, and operational support.

• Conducted performance tuning activities to enhance the responsiveness and scalability of MariaDB databases.

• Creating the file systems using **Red Hat volume manager** and performing the health check on regular basis for all Linux servers.

• Expertise in Infrastructure as Code (IaC) using Terraform for AWS infrastructure provisioning.

• Resolving issues in integration and playing role of production Support.

• Contribute to the support forums (specific to Azure Networking, Azure Virtual Machines, Azure Active Directory, Azure Storage) for Confidential Developers Network.

• Building and maintaining CI/CD pipelines using Jenkins, GitHub Actions, or GitLab CI/CD.Deploying and managing EKS clusters for containerized workloads.

• Integrated **Azure Active Directory** for user authentication/authorization and organization profiles.

• Worked with **GitHub** to manage source code repositories and performed branching, merging, and tagging depending on requirement.

• Developed **GIT** hooks for the **local repository, code commit and remote repository, code push functionality** and Worked on the **GitHub**.

• Used **Ansible playbooks** to manage Web applications, Environments configuration Files, Users and Packages.

• Support HPC system

• LSF management(Jobs, task, proceses, simulation)

• HPC cluster manage and support

• Experienced in RHEL 7/8/9 administration, including system installation, configuration, and patching.

•  Hands-on experience managing Amazon EKS clusters for containerized applications.

• Deployed, scaled, and maintained microservices using Kubernetes manifests (YAML), Helm charts, and Kustomize.

•  Integrated CI/CD pipelines (Jenkins/GitHub Actions/GitLab CI/CD) for automated deployment to EKS.

• Managed VPCs, EC2, IAM, S3, RDS, and security groups using Terraform.

• Enforced best practices with Terraform linting, validation, and security checks

• Written **Ansible playbook** & **modules** for Ansible customizations.

• Creation of VMs, cloning and migrations of the VMs on **VMware vSphere 4.0.**

• Manage ESXi and configurate resources and red applications

• Manage and Install EDA licenses for customer MATLAB, CADENCE, SYNOPSYS, MENTOR, ANSYS,ETC

• Admin EDA licenses FlexLM and not standard (Installing, manage option files and deamons, usage, reports)

• ETL reports (manage central repository)

• AWS Data pipeline

• Phyton scripting for automation task.

• Support Server for User NS,HS,RS

• Ticket Surveying Incident Management, Change Management, Problem Management Installation of NXP products.

• Monitoring and support of Platforms for NXP Services, Splunk\

• Solving Problem P1, P2, P3.

• Methodology DevOps for daily task.

• Manage SAN and storage migrations

• Work with Physical server’s in Coresite, installing, managing and decommissioned.

• Work with Dell for supporting our servers, creating tickets and escalation.

• Work with IDRAC 9 to support our servers

• Fix Dell servers (Replace DIMM, CPU, Motherboard)

• Dell server minimum configuration test and Troubleshooting

• Upgrade BIOS, firmware and drivers

• Provide and reserve new licenses for customers on different applications.

• Introduce and create profiles in servers for application AWS,

• Querys in Splunk and use for Data and solving issue.

• AWS server administration

• RHEL identity Management

• Monitoring Apache, Tomcat, Websphere, including setup, configuration, performance monitoring

• Setting up alerting and monitoring using tools such as splunk or nagios

***Environment:*** *GIT, GITHUB, AWS, Ansible, Docker, Java, Agile, Jboss, Bash, Shell, Python, Red Hat Enterprise Linux, Sun Solaris, Oracle, Shell, WebSphere.*

**HCL Inc., Mexico August 2019 to Nov 2021**

**Sr. Linux Admin**

**Responsibilities:**

• Participated in the release cycle of the product which involved environments like Development QA UAT and Production.

• Monitored System/Application Logs of server using Splunk to detect Prod issues.

• Troubleshooting backup and restore problems and performed day-to-day trouble shooting for the end users on **Solaris** and **Linux** based servers.

• Worked with DBA team for database performance issues, network related issue on Linux / Unix Servers and with vendors for hardware related issues.

• Handling problems or requirements as per the ticket (Request Tracker) created.

• Manage and Install EDA licenses for customer MATLAB, CADENCE, SYNOPSYS, MENTOR, ANSYS,ETC

• Admin EDA licenses FlexLM and not standard (Installing, manage option files and deamons, usage, reports)

• Support Centos servers for specific projects and designers

• Support Server for User NS,HS,RS

• Ticket Surveying Incident Management, Change Management, Problem Management Installation of NXP products.

• Monitoring and support of Platforms for NXP Services, Splunk\

• Solving Problem P1, P2, P3.

• Methodology DevOps for daily task.

• Provide and reserve new licenses for customers on different applications.

• Introduce and create profiles in servers for application AWS,

• Querys in Splunk and use for Data and solving issue.

• Developed **GIT** hooks for the **local repository, code commit and remote repository, code push functionality** and Worked on the **GitHub**.

• Experience monitoring the servers using **Nagios.**

• Worked with **JIRA** for creating Projects, assigning permissions to users and groups for the projects & Created Mail handlers and notification Schemes for **JIRA**.

• ETL reports (manage central repository)

• Manage SAN and storage migrations

• AWS Data pipeline

• Tanium Mangment

• Monitoring Apache, Tomcat, Websphere, including setup, configuration, performance monitoring

• Worked with **GitHub** to manage source code repositories and performed branching, merging, and tagging depending on requirement.

• Setting up alerting and monitoring using tools such as splunk or nagios  
Creation of VMs, cloning and migrations of the VMs on **VMware vSphere 4.0.**

• Manage ESXi and configurate resources and red applications

***Environment:*** *GIT, GITHUB, AWS, Ansible, Docker, Java, Agile, Jboss, Bash, Shell, Python, Red Hat Enterprise Linux, Sun Solaris, Oracle, Shell, WebSphere.*

**SOFTTEK/HP Inc., Mexico Jan 2018 to August 2019**

**UNIX/LINUX Systems Administrator/Infrastructure Engineer**

**Responsibilities:**

• Installed and Configured Tomcat Application Server on Solaris, AIX, Linux.

• Installing, tuning, troubleshooting and patching of Red Hat Enterprise Linux Servers.

• Troubleshooting backup and restore problems and performed day-to-day trouble shooting for the end users on Solaris and Linux based servers.

• Migrations of HPUX / Linux Servers (SAN Migration / builds)

• Daily migrations (Mission critical, Production, Staging) online

• Compilations for different operating systems.

• Migrations of Servers in VM environment.

• Phyton scripting for automation task or procedures.

• Use of veritas cluster, LVM.

**• Centos** migration New Vm

• User Account Management, Group Account Management, configuring dumb terminals, formatting and partitioning disks, manipulating swap.

• Change management tickets

• Installation and configuration of WebSphere application server.

• Migration of Cluster S2S, Cluster migration, stand-alone servers.

• Redomain and Ip servers HP,DXC, Microfocus

• Creation of VMs, cloning and migrations of the VMs on **VMware vSphere 4.0.**

***Environment:*** *Red Hat Enterprise Linux, Centos,Sun Solaris, Oracle, Shell, WebSphere.*

**Thales Coerp., Mexico May 2015 to December 2017**

**Linux Engineering Support**

**Responsibilities:**

• Installing, tuning, troubleshooting and patching of **Red Hat Enterprise Linux Servers**.

• Installation and configuration of **WebSphere** application server.

• Installation, Configuration and maintenance of web servers, application servers, and database servers on Linux Servers.

• Scheduled Various regular, periodic, future and queue tasks by using crontab.

• User Account Management, Group Account Management, configuring dumb terminals, formatting and partitioning disks, manipulating swap.

• Worked with DBAs on installation of **Oracle database, EBS consisting Oracle Financials**

• Troubleshooting backup and restore problems and performed day-to-day trouble shooting for the end users on **Solaris** and **Linux** based servers.

• Worked with DBA team for database performance issues, network related issue on Linux / Unix Servers and with vendors for hardware related issues.

• Expanded file system using **Solaris Volume Manager (SVM)** in the fly in Solaris boxes.

• Develop, Maintain, update various scripts for services (start, stop, restart, recycle, cron jobs) **UNIX** based **shell, Perl.**

• Creation of VMs, cloning and migrations of the VMs on **VMware vSphere 4.0.**

• Handling problems or requirements as per the ticket (Request Tracker) created.

• Participated in on-call rotation to provide 24X7 technical supports.

• Configuration and troubleshooting**- LAN and TCP/IP issues.**

• Process **monitoring** and **debugging** using tool such as **Nagios**.

***Environment:*** *Red Hat Enterprise Linux, Sun Solaris, Oracle, Shell, WebSphere.*

**EDUCATION**

**• University UPIITA Bachelors 2014 Computer Science**