**KUMAR PRAVIN**

**DevOps Engineer**

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# Objective:

Cloud technologies used to manage, configure and automate task seeking a varied and challenging DevOps Engineer position requiring new and creative applications of technology to solve functional problems.

**Professional Experience:**

* Currently Working as **DevOps Engineer** at [**PricewaterhouseCoopers Private Limited**](https://www.google.com/search?safe=active&q=PricewaterhouseCoopers+Private+Limited&stick=H4sIAAAAAAAAAOPgE-LUz9U3MDSKN7dQ4tVP1zc0TDc3SCk3yKrQ0swot9JPzs_JSU0uyczP088vSk_My6xKBHGKrYpLk4ozUzITizJTixexqgUUZSanlieWpBZl5JcWpzrn5xekFhUrAIXLgIIKPpm5mSWpKQDv_0kNcAAAAA&sa=X&ved=2ahUKEwjugobdv9jlAhUIHqwKHfyoC8IQmxMoATAhegQIDxAX) **(PWC**) Bangalore, Since 18 February 2019 to Till Date.
* Worked as **DevOps Engineer** at **DXC Technology (Formerly Hewlett Packard Enterprise)**, Bangalore. Since 16th Nov 2016 to 12th February 2019.

Worked as Linux Software Engineer at **Hewlett Packard Enterprise, Bangalore** on the payroll of **People Frame IT (P) Ltd. Hyderabad,** since 29th March 2016 to 15th Nov 2016.

* Worked as **Linux System Software Engineer** with **VXL Instruments Limited**, Bangalore (15th Nov 2010 to 3rdMay 2015)

# 8 + Years of Experience in DevOps/Cloud and Various Linux Distributions.

**PROFESSIONAL SUMMARY:**

* Experience in Linux **5.x/6.x/7.x** system design and **VM** server infrastructure design and Implementation, support, tuning, and troubleshooting.
* Experience in Google Cloud Platform and Core Infrastructure.
* Experience in Cloud Infrastructure Automation which includes Amazon Web Services (AWS), Ansible, Puppet, Maven, Jenkins, SVN, GitHub, WebLogic, Jboss, Tomcat and LINUX etc.
* Experience in AWS monitoring tool, Cloud Watch to monitor EC2 Instances and to send notifications to the users
* Experienced on deploying Java with Tomcat, Jboss, WebSphere, Apache and WebLogic servers on AWS.
* Experience in working with automation tools like **ANSIBLE** and **PUPPET**.
* Experience with **RedHAT, HPLinux** and **Oracle Enterprise** Linux installations in **ESX VM** environments.
* Familiarity with the fundamentals of Linux scripting languages Shell Script, Python, Perl etc.
* Proficient in designing of Custom Linux distribution--**Ubuntu, Ubuntu-LDXE (Lightweight X11Desktop Environment), SliTaz, Tiny Core, Suse** for various embedded products.
* Control: **GIT, SVN, CVS, Puppet** Complete S/W Development Life Cycle.
* Installation of **Docker**, link **kibana** and elasticsearch to docker containers, integration of **elasticsearch** and **logstash** using docker
* Installation, configuration and administration of **Linux Server** and Provisioning **New Servers**.
* Installing, Configuring and Administrating NFS and Creating and Managing crontab.
* Installing and Configuring Virtual Servers in **VMware** environment. Creating and managing file systems using LVM.
* Configuring ACL for Users and Groups to access Files/Folders.
* Upgrading Firmware, **BIOS** and **GRUB** in Linux servers. Configuring and Managing resources.
* Upgraded Standard Linux tool-chain from **CodeSourcery**, to build **kernel** and **busybox**.
* Built **Initramfs** filesystem based on **busybox** utilities.
* Updating Security Patch for Linux Embedded Product.
* Effectively resolving any networking related issues, **Network Printers** and Application related issues.
* Installation and configuration of database like **MySQL,** Installing **Java, WebLogic, Jboss**and **WebSphere,**
* Creating File system and configure to available network through **NFS.**
* Monitoring System logs and root's email for important messages such as errors and warnings or hardware failure errors etc.
* Managing **Root** File Systems, Server Performance, Users Creation and Granting file access Permissions.
* Creation of **groups,** adding **User ID** to a group as a primary or secondary group, removing User ID from a group.

###### Technical Skills:

| **Languages:** | Basic C Programing. |
| --- | --- |
| **Scripting Languages :** | Shell Script, Terraform, Ansible, Groovy, Python |
| **Operating Systems:** | UNIX/Linux Kernel 2.6/3.0x/4.0x,solaris, Redhat -5/6/7, Suse, Ubuntu. centos, Windows XP/7/8 |
| **Middleware Software Frameworks** | WebLogic Server, UESB, Apache web server, web sphere, Jboss Tomcat, Coherence, Endeca, OEM |
| **Linux Distribution:** | Redhat, HP Linux, Oracle Linux, Centos, Fedora, Ubuntu, Ubuntu-LDXE (Lightweight X11 Desktop Environment), SliTaz, Tiny Core, Suse. |
| **Virtualization** | VMware Player, Virtual Box, Docker, Kubernetes |
| **Case Management** | Jira |
| **Utilities/Tools** | Jenkin, Puppet, Nagios, GNU Toolchain, Make, CVS, SVN, GIT, Keynote, Cacti, Soasta, Omniture, splunk. SysStat, ExtraHop, Oracle Enterprise Manager |
| **Cloud Compute** | Open Stack, Azure, Google Cloud Platform, AWS |
| **Content Managers** | Confluence |

**Achievements:**

**Certification:-**

* Qualified **RHCE-7** (Red Hat Certified Engineer)
* Cisco certified:**CCNA**
* Coursera certified Architecting with Google Kubernetes Engine.
* Coursera certified of Google Cloud Platform and Core Infrastructure.
* Udemy Certified of completion of Terraform on Azure

**Independent Research / Interest: -**

* + - **Cloud Computing:-** Open Stack, Aws, Azure, GPC
* Troubleshooting the **PC** assembling, **BIOS** configuration, hard disks, CD-ROM drives, NIC cards, modems, crimping RJ45 connectors, hubs & switches.
* **RH LINUX 7.0** Permission, Quota, Cron, NTP Server, FTP, Postfix (Mail Server), NFS,

DHCP, LVM, Samba Webserver (Virtual Hosting), Proxy Server (squid), DNS (bind).

* **Networking**: OSI Model, TCP/IP, Subnetting, IP Routing(RIP,IGRP, EIGRP, OSPF)

Internet Protocol Version (IPv4 & IPv6) Switching’s Layer 2 Configuration (VLAN, VTP)

# Scholastics:

* Post Graduate **Diploma in Information Security and Application Development.** (It is a one-year programme comprising of modules in Information security and software application development.) from **CDAC Noida** (Aug, 2008 to July 2009)
* B. E. (**Electronics & Communication**) from RCERT, affiliated to Nagpur University secured 61% marks. (2004 to 2008)
* XII from B.I.E.C, Patna secured 73% Marks.
* X from B.S.E.B Patna.

# Project Title: - CAMS Microservice Platform,

**Client : PWC Internal**

**Role**  **:** DevOps Engineer.

**Technologies & Tools :** Git, Jenkin, Docker, Kubernetes, PostgreSQL, Vault, Azure

**Duration :** April 2019 to Till Date.

An asynchronous workflow platform built on a distributed microservices architecture.

* The platform was built with two fundamental Modularity & Scalability.

Modularity: Technology changes and some tools solve some problems better than others. So, all components should be self-contained, replaceable, and flexible enough to support multiple paradigms. Scalability: Data movement, processing and reporting should function well in a large volume and large tenant use case.

* Major components
  + CAMS web portal - Business user workflow to drive process to get to end user application
  + CAMS core restful services: support synchronous activities
  + Distributed message bus: support asynchronous activities
  + Distributed workflow/jobs: worker-based batch processing layer, to support “N” jobs with “N” workers.
  + Distributed data: support highly parallelized and high throughput transformations and reporting.
  + Centralized log management

**Responsibilities:**

* Setup time to time discuss new app onboarding requirement with Development team.
* DevOps creates a JIRA request with app details to onboard on to CI/CD.
* Onboard the app on to CI/CD platform.
* DevOps and Development team work together to fulfill App related needs during the CI/CD onboarding phase.
* DevOps and Development team to check the deployed App functionality in Dev env to meet acceptance criteria.
* DevOps team will enable promotion pipelines for Dev/QA.
* DevOps will document the required details to hand it over to BPIE for upper environment.

# Project Title: - Kuoni GTA (Gullivers Travel Associates)Travels

**Client :** NOVA (Kuoni)

**Role**  **:** IT Operational Engineer.

**Technologies used :** Shell Script, Git, WebLogic, Red hat

**Tools :** Jenkin, Puppet, Nagios, Jira, SM9, kibana, Service Now, SysStat

**Duration :** December 2016 to Till Date.

The company specializes in luxury and tailor-made travel to both the business and consumer markets, as well as related services such as visa processing, to destinations around the world across nine different geographic regions.

**Responsibilities:**

* Installation and Configuration of Weblogic 12C, Coherence, Ultra-ESB and HornetQ
* File system management.
* Deployment through Jenkins.
* Tomcat servers configuration and monitoring.
* Server Administration - Disk Cleanups, Log Rotation.
* Environment troubleshooting.
* Configuration through puppet/Gitlab.
* Configuration and maintenance of Ultra-RSB and Endeca servers.
* Played the responsibility for any kind on critical incident in production.
* Configure and maintain the Nagios services.

# Project Title: - Maruti Suzuki India Pvt Limited

**Client :** Maruti Suzuki

**Role**  **:** Middleware Admin

**Technologies used :** Shell Script, WebLogic, Unix, Linux,

**Tools :** Jenkin, Puppet, Nagios, Jira, SM9, kibana, Service Now

**Duration :** December 2017 to Till Date.

Maruti Suzuki India Limited manufactures, purchases, and sells motor vehicles, components, and spare parts primarily in India, we are maintaining the Maruti Suzuki dealer Business World site, and generating Reports of vehicle history. This report card include Dealer Details, Registration of vehicle and location.

We are working on various technology like Unix, Linux, tomcat, WebLogic in various environment production/pre-production and test environments,

**Responsibilities:**

* File system management, permission etc.
* Deployment through Jenkins.
* Tomcat servers configuration and monitoring.
* Server Administration - Disk Cleanups, Log Rotation.
* Environment troubleshooting.
* Played the responsibility for any kind on critical incident in production.
* Configure and maintain the Nagios services.

# Project Title: - Baltrum

**Client**  : Vodafone Germany

**Role** : Software Developer and CMI

**Technologies used** : Shell Script, PERL, UNIX**.**

**Tools**  : Putty, PVCS, Jenkins, Vodafone - CMI builds

**Duration**  : June 2016 to November 2016

**Description:**

Vodafone engaged HP to create an application a simple, consolidated, Web based order management application to serve both residential as well as business customers. This application is comprised of a front end tool called CCM (Customer Care Manager) to create and maintain customer orders/services. COM (Customer Order Model) acts as a single point of control for order management processes orchestrating between the systems that are collaborating in Vodafone’s fixed-net business to reduce mesh-up dependencies between systems and overall complexity.

**Roles and Responsibilities:**

* Shell Script, UNIX, Linux.
* Production and non-production migrations.
* Supporting different environments including Development, Test and Production.
* Performed Nightly build activities using Jenkins tool.
* Delivered hotfixes, patches, initial & final builds, monitoring & reporting nightly builds, analyzing the build failure issues.
* Resolved many build issues by fixing the automated scripts.
* Working on the development of tools to automate the work using the scripting language

**Project Title**: - **Vodafone UK Online E-Shop & E-Care**

**Client :** Vodafone

**Role: -**  : Production Support and Maintenance

**Period: - :** March 2016 – May 2016

**Environment: - :** RedhatLinux

**Language: -** : Shell Script.

**Tools: -** : Keynote, Cacti, Soasta, Omniture, and Splunk.

**Project Description:-**

Working on various environment production/pre-production and test environments to create a new environment from scratch till install/Deploy the applications and to deliver the environment to respective team.

Maintaining and upgrading the environment whenever required. Troubleshoot if there is any issue in an existing environment.

**Responsibilities:**

* Installation, Configuration and Create SSL Certificates and configure them on WebLogic servers.
* Cluster Management, Create Admin and Managed Servers.
* Environment troubleshooting.
* Performing backup and recovery when new technologies is being installed or upgraded.
* Tomcat, WebLogic, Splunk, cacti configuration and monitoring
* Application deployment and bug fix in various environment
* Performance Monitoring
* Implemented no’s of automation script for vodafone.co.uk production support stability.

**Project Title:Linux Distribution Customization for Thin Client Embedded Product.**

**Period: - :** June 2013 – May 2015

**Environment: - :** Linux

**Language: -** : C, Shell Script, Python, Linux Device Drivers, Linux Administration

**Tools: -** : GNU Toolchain, Make, CVS, SVN, and GIT.

**Role Description: - :** Programming, An astute individual works as Embedded Software Engineer with VXL Instruments Limited for Board Bring-UP and Bootloader development for product

Board based on.

**Project Description:-**

* Developed and Customized the **Ubuntu** and **Slitaz**based Embedded OS and integrated the image for various Thin Client SOC (x86 & ARM). Which contains the feature to launch several Terminal Services Server like, **RDP, XfreeRDP, Citrix, VMware view, Power term, NX, Xdmcp, Open Office2.0** etc.
* Built the image having small size (< 32MB), known as **RAM** based OS. The OS can boot through the network and have required user interface as **keyboard, firmware upgrade, display** and **network settings** etc.
* Analyzed the technical feasibility of the features that are to be implemented in the **RAM** based OS.
* Developed various Thin-client related components like connection manager, network manager, display manager, OS upgrade system, remote management support etc.
* Worked on**Xlmanage** features for Thin-client which is easy to manage, more versatile and even more productive and provides functional features to Network Administrators including asset management, configuration, diagnostics and firmware updates.
* Fixing the bugs that are raised by the customer and adding new options for clients.
* Integrating and upgrading latest **Software Packages** related to applications.
* Integrating and customizing device driver such as **Wireless**, **Touchscreen**, **Display** and Bus driver etc.
* Designed the **builder kit** for building and distributing the above images.

**Project Title:Performance Evaluation and Enhancement:**

**Period :** Nov 2010 - May 2013

**Environment :** Linux

**Language**  : C, Shell Scripting, Python

**Tools**  : GNU Toolchain, Make, CVS, SVN, GIT.

**Role Description :** An astute individual works as Embedded Software Engineer with VXL Limited for System Performance Evaluation and Bench Marking.

**Personal Profile**

* Name : KUMAR PRAVIN
* Sex : Male
* Marital Status : Married