**Ravi Kumar Bulusu**

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**PROFESSIONAL SUMMARY**

Dynamic and results-driven IT professional with over 23 years of extensive experience in UNIX/Linux systems and network administration, specializing in Linux RedHat (RHEL 6, 7, 8), HP UX, and Sun Solaris. Proficient in AWS cloud services with over 8 years of hands-on experience in designing, deploying, and managing scalable cloud solutions. Skilled in containerization technologies such as Docker and Kubernetes, with a strong background in microservices architecture and cloud-native application development. Expertise in filesystem management, system monitoring, and automation using Ansible and Terraform. Proven track record of supporting 24/7 production environments, managing cross-functional teams, and optimizing infrastructure for performance and security. Adept at troubleshooting complex issues and implementing best practices for system reliability and efficiency.

**EDUCATION**

* Diploma in Business Management from ICFAI - 2010
* Bachelor of Engineering – ECE from Gulbarga University - 2000

**CERTIFICATES**

* AWS Cloud Architect
* PRINCE2
* Red Hat Certified
* CEH v8
* CCNA
* Security+
* ITIL V3 Foundation
* HP-UX Certified System Engineer (HP-UX CSE)
* HP-UX Certified System Administrator (HP-UX CSA)

**PROFESSIONAL EXPERIENCE**

**7-Eleven, Enon OH, USA Jun ‘23 – June ‘24**

**Sr Engineer/Administrator**

**Responsibilities:**

* Automated the deployment of Python-based applications on Kubernetes using Helm charts, ensuring simplified and consistent application management across environments.
* Created, maintained, and optimized Helm charts for microservices deployments, enabling faster iteration and enhanced operational efficiency in Kubernetes clusters.
* Implemented Kubernetes monitoring using Prometheus and Grafana, creating dashboards to visualize resource usage and application performance.
* Used Jenkins to automate the build and deployment of Docker containers for microservices, enabling continuous delivery.
* Integrated ArgoCD for GitOps-driven continuous deployment of Kubernetes applications, implementing automated syncing and health checks to ensure smooth, error-free deployments.
* Configured and managed Docker containers for application deployment, ensuring optimal performance and resource utilization.
* Created containers and orchestrated them using docker and k8s and prepared docker-files, yaml files for docker-compose and k8s cluster for application deployments.
* Designing and deploying dynamically scalable, available, fault-tolerant, and reliable applications on the Cloud Selecting appropriate Cloud services to design and deploy an application based on given requirements.
* Having experience in using different storages like S3, EBS and RDS.
* Configured different roles and policies to access different resources and control the access using policies.
* Integrated Git version control with Jenkins for automated CI/CD pipelines, ensuring seamless code updates and deployments across teams.
* Configured and provisioned instances on Azure and AWS cloud platforms.
* Use Ansible for the configuration management files by using Ansible.
* Experience with microservices architecture, containerization, and cloud-native application design principles.

**Lumen Technologies, Bangalore Aug ‘15 - Jun ‘23**

**Sr Consultant**

**Responsibilities:**

* Managed Terraform state files in S3 with proper locking mechanisms, enabling safe, collaborative infrastructure provisioning.
* Designed and implemented Terraform modules for reusable infrastructure deployment on AWS, including VPCs, EC2, RDS, and S3, ensuring consistency and scalability across environments.
* Automated cloud infrastructure provisioning using Infrastructure as Code (IaC) with Terraform and Jenkins, reducing setup time and minimizing manual errors.
* Proficient in AWS services like VPC, EC2, S3, ELB, Autoscaling Groups (ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch, CloudFront, CloudTrail.
* Analyze and resolve diagnostic problems on Linux and HP -UX
* Monitoring, troubleshooting, and resolving issues involving operating systems.
* Perform software installation, upgrades/patches, troubleshooting, and maintenance.
* Participate in root-cause analysis of recurring issues.
* Performed routine health checks on the Linux servers.
* Develop and maintain the documents, library and procedural documents of the system.
* Developed Bash Scripts for automation of daily tasks.
* Using RedHat Satellite server for RHEL server patching.
* Storage Provisioning, Volume and Filesystem Management using LVM,
* Utilized Remedy, Falcon, and Jira for data center service requests Network requests for IP's, ILO's, and DNS changes.

**Hewlett Packard Private Limited, Bangalore Oct ‘07 – Aug ‘15**

**Technical Account Manager**

**Responsibilities:**

* Supporting Mission critical HP UX servers for the Global customers.
* One point of contact for any customer issues till the resolution.
* Configuring the crash dump for HP UX servers and collecting the crash dumps for the further resolution.
* OEM support for all HP UX 11.11, 11.23 and 11.31 for all Mission Critical customers.
* Collecting and analyzing the all Software and Hardware logs on HP UX
* Once identified the issue, part dispatchment and coordinating with HW vendor till part replacement.
* Co-ordinating with the Customer for down time schedules.
* Creating the Document library for the future reference.
* Distinguished efforts towards managing the complete technical support and troubling shooting of networking Switches and routers.
* Worked on installation, configuration and maintenance Debian/Red hat, CentOS and Suse Servers at multiple Data Centers.

**Accenture P Ltd, Bangalore Aug ‘06 – Oct ‘07**

**UNIX / Linux Systems Administrator**

**Responsibilities:**

* Led a nine-member team involved in providing network support, worked relentlessly in gathering & communicating customer requirements, specifications, design targets, development process, design standards, techniques and tools
* Leading a team for the Change management activities.
* Involved in assigning weekend tasks to team and helping them in preparation and executing the TCM tasks
* Played a major role in bringing the built system to production level with VERITAS Volume Manager and VCS Cluster along with the packages.
* Experienced on RHEL 5,6 and Solaris 6,7 servers.
* Carried out seamless NFS Migrations and handled maintenance of Unix Groups, Net groups, and mail groups.
* Facilitated decommission of production servers for Solaris and Linux and interacted with the vendors for hardware replacement.
* Installed and configured VMware ESX server and SUN Virtual Box to allow virtualization of a physical server to virtual servers that provide running multiple Operating Systems on a single server in a data-center environment for dramatic reduction in costs.
* Worked on Linux (Red Hat/SUSE 9) in conjunction with Solaris 8, Apache 2.0 web servers and an Oracle9 database.

**Shell Information Technology, Malaysia Oct ‘05 – Jul ‘06**

**UNIX ADMINISTRATOR**

**Responsibilities:**

* Efficiently managed UNIX administration including installation of latest patches for security bugs and relevant platform specific packages.
* Ensured maximum uptime of the systems, worked closely with application specific teams for resolving issues and user administration of the servers
* Carrying out file system management of the servers using VERITAS, backup and restore operations.
* Evaluated performance issues, recommend solutions and implementing the same for high performance
* Raising support calls with vendors and involved in post mortem analysis for server problems
* Maintaining the threshold limit for Disk Space, I/O, memory Utilization on the systems
* Handled creation of new file systems adding up swap space if required in the systems

**TVA Help.com, New Delhi Jan 03 – Mar 05**

**IT – Head**

**Responsibilities:**

* Headed the IT operations for the northern region India.
* Experienced maintenance of LAN, Customer Laptops and Desktops
* Experienced the maintenance of software servers: Exchange, DHCP, Squid Proxy, Antivirus, AD server.
* scheduling and maintaining data backups.
* Experienced the Sales and customer support.
* Experience in taking customer orders for new Laptops and Desktops and prepare the quote.
* Follow-up with the customer and once approved procure the order.
* Once the order is delivered to the customer complete the installation of the operating system and install printer and Microsoft Office.

**Net Connect for WIPRO Info Tech as Customer Support Executive – Bangalore Jun 02 – Jan 03**

**R T Outsourcing services as Customer Support Engineer – Bangalore Jul 01 – Jun 02**

**Kaashyap Radiant as System Administrator – Chennai Sep 00 – Jul 01**