## PRABIN SINGH

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## PROFESSIONAL SUMMARY:

- Working with Infra team to support Application Deployment and debug in case of deployment failure.
- Experience with AIM deployment tool.
- Experience working with various AWS services like EC2, ECS, S3, VPC etc.
- Experience in the areas of DevOps CI/CD pipeline, Build and release management, AWS and Linux Administration.
- Proficiency in using cloud computing tools like AWS, CVS, Subversion, GIT and Rational Clear Case on UNIX and Windows environment.
- Extensive understanding of networking concepts, (i.e. Configuration of networks, router configuration and wireless security, TCP/IP, VPN, Content Filtering, VLANs, and routing in LAN/WAN, Ethernet Port, Patch Panel and wireless networks).
- Implemented multiple CI/CD pipelines as a part of DevOps role for on-premises and cloud-based software using Jenkins, Ansible and AWS/Docker.
- Excellent understanding of networking fundamentals and network security. Installation, Configuration and managing Firewalls.
- Experienced in installation, configuration, design and ongoing maintenance of Cisco router and switches.
- Experience with x86 / x64 Intel, HP, IBM & Dell hardware like rack-mounted servers, tower servers, desktop, laptop and other peripherals.
- Experience in Log monitoring, application monitoring with the help of Splunk.
- Installation and configuration of Web Application servers like Apache, Tomcat.
- Experienced in documenting various maintenance activities and upgrades and changes in the network architecture.
- Experience in Microsoft Office Suite, Open Office, Visio, Outlook, Printing, Windows networking, Security patching

## EDUCATION:

**Full Stack Web Developer:** Currently Enrolled (SMU)
**Mater's in Science, 2014** (Mississippi College)
**Bachelor's in Information Management, 2009** (Tribhuvan University).

## TECHNICAL SKILLS:

| Languages | Bash, Python and PowerShell Scripting |
|---|---|
| Cloud | GAIA, AWS (EC2, ECS, S3, Cloud Formation, IAM etc.), GCP |
| Monitoring Tools | Splunk, Dynatrace, Geneos |
| Configuration Management | Ansible |
| Virtualization | VMware and Hyper-V |
| Networking | TCP/IP, UDP, LAN, WAN |
| Applications Servers | Apache, Tomcat |
| Database Servers | Oracle, MS-SQL |
| Operating Systems | Windows Server, RHEL |
| Other tools | LDAP, Jenkins, Maven, Cloud Foundry |

## PROFESSIONAL EXPERIENCE:

**JPMC, Plano TX**                                                                            **Feb 2019 - PRESENT**
**Role: SRE/DevOps Engineer**
**Responsibilities:**
- As an Infra Team member, experience with JPMC internal deployment tool like AIM to deploy application in GAIA cloud.
- Wrote a python script to monitor SFTP connection to server, DB Role change and setup GENEOS monitoring tool.
- Setting up and building AWS infrastructure resources such as VPC, EC2, S3, IAM, EBS, Security Group, Auto Scaling, Lambda and RDS in Cloud Formation and involved in deploying the content to Cloud platform on AWS using EC2, S3, EBS.
- Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS Ec2 instances.
- Contributed to write Ansible Playbooks.
- Used Docker, Kubernetes to manage micro services for development of continuous integration and continuous delivery.
- Support an Agile CI/CD Environment as a DevOps Engineer where we make the Atlassian tools (Jira and Bitbucket) and also provide layer 3 supports on these tools if there are any issues.
- Implemented a Continuous delivery pipeline with Docker, Jenkins, GitHub.
- Our Continuous Integration stack consists of GIT, Jenkins, CI/CD, the Docker Trusted Registry.
- Team member of the cloud infrastructure maintenance effort using a combination of Jenkins, Ansible for automating CICD pipeline in AWS.
- Created automated deployment job for Tomcat with Jenkins and managed deployment.
- Configuration of various plugins for Jenkins for automation of the workflow and to optimize and smooth running of build jobs.
- Responsible for a boarding application teams to build and deploy their code using GitHub, Jenkins and Ansible.

- Used Ansible to document all infrastructures into version control and Used Ansible to document application dependencies into version control.
- Managed Maven environment by setting up local, remote and central repositories with required configuration in maven configuration files.
- Created new jobs in Jenkins and built pipeline for Continuous Integration and migrated applications to the AWS cloud.
- Worked on maintaining, administering and supporting of Oracle servers.
- Worked with DBA to refresh DB through Delphix.
- On-call support bi-weekly for troubleshooting production issues and for any updates/patches.

**Environment:** AWS, Ansible, Maven, Jenkins, AWS, JIRA, Service Desk, Splunk.

**Intern,** Citizen's Bank, Kathmandu, Nepal                                   06/2009-09/2009
Facilitated IT department as a hardworking intern student and designed company's website as a part of project within a deadline. Received 4/4 GPA for successful launch of official website after certain changes made by head of the IT department.
**Key Results:**
- Developed Banking Software using PHP and Java.
- Embossed the outgoing debit card mail.
- Called existing clients about the status of their debit card.
- Monitored the archive department