# K.B.M. PRASAD

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# Objective

A dynamic and self-motivated System Administrator in IT Managed Services. Aspiring for a Bright and challenging career in the field of IT Managed Services, which would enable me to upgrade myself with emerging trends and technologies

**Skills & Abilities**

A creative support professional with 5.8 **years** of experience and with a record of increased responsibility, Proficient in prioritizing and completing tasks in a timely manner, yet flexible to multitask when necessary. Enjoys learning new technologies, programs and processes

* Having 4+ years of Professional Experience as a Build & Release engineer and DevOps engineer in Design, Development, optimization support and administration along with 1+ Year Experience as Linux Administration.
* Expertise in Amazon AWS Cloud Administration which includes services like: EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Watch, Cloud Trail, Cloud Formation, OPS Work, Security Groups etc.,
* Expertise in Amazon AWS Cloud Administration which includes services like: EC2, S3, EBS, VPC, ELB, AMI, SNS, IAM, Route 53, Auto scaling, Security Groups etc..,
* Administration various environments in software development life cycle (SDLC) Windows, Red Hat Linux and CentOS.
* Amazon tools used include EC2, Elb, S3 storage and Python, Ansible, GIT, and Jenkins
* Experience with monitoring tools like Amazon Cloud watch to monitor major metrics like Network packets, CPU utilization, Load Balancer Latency
* Installing, customizing web servers as per existing infrastructure.& requirements
* Hand-On experience in Build and Deployment of CI/CD pipelines, managing projects often includes tracking multiple deployments across multiple pipeline stages (Dev, Test/QA staging and production).
* Designing highly available, cost effective and fault tolerant systems using multiple EC2 instances, Auto Scaling, Elastic Load Balance and AMIs
* Administering Jenkins and secured Jenkins with role based access controls and matrix based project access.
* Involved in Installing Jenkins on a Linux machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
* Experienced with Continuous Integration / Continuous Deployment Tools as Jenkins and Hudson and strong experience with Maven Build Frameworks.
* Experience in using Artifactory Repository Managers for Maven builds.
* Experience working on several Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry.
* Closely worked with development, QA and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the error while doing the deployment and building
* Experience writing Shell, Python scripts to automate the deployments.
* Well versed with deploying/configuring/tuning Enterprise Applications in Tomcat.
* Hands-on experience in working with configuration management tools like ansible.
* Experience in branching, tagging and maintaining the version across the environments working on Software Configuration Management (SCM) tools like Subversion (SVN) and GIT.
* Ability to build deployment, build scripts and automated solutions using scripting languages such as Python and Shell scripting(Bash).
* Worked on web servers like Apache and application servers like Tomcat to deploy code.
* Extensively worked on Jenkins and Hudson by installing, configuring and maintaining for the purpose of continuous integration (CI) and for End to End automation for all build and deployments.
* Extensive experience with software Build automation and standardization tools like Maven.
* Experienced in implementing High-Availability, Work Load Management and fail-over topology using clusters and load balancers.
* Strong Experience in Production support engineer providing **24/7** technical support for middle-ware application servers.

# Key Skills:

* **Cloud Technologies** : AWS (VPC, EC2, S3, Cloud Watch, RDS, IAM & Route 53 etc.,)
* **Operating Systems** : Linux (Red Hat 4/5/6), centOS and Ubuntu
* **Scripting languages** : Shell Scripting and Python
* **Configuration Management** : Ansible
* **CI/CD Tools**: Jenkins
* **Version Control**: GIT and GIT Hub
* **Build Tools** : Maven
* **Application Server**: Apache Tomcat
* **Monitoring Tools**: NAGIOS andSensu
* **Container Tools** : Docker

# Education

|  |  |  |  |
| --- | --- | --- | --- |
| EDUCATION  | University/ College | Percentage | Year of passing |
| btech | Avanthi Engineering college, Jntu kakinada | 60% | 2012 |
| Inter  | Sri Chaitanya Jr college, gajuwaka | 71% | 2007 |
| Xth  | Saraswathi Vidya Vihar | 74% | 2005 |

# Current work Experience

## Job Title : Senior SOFTWARE ENGINEER

## Company : QUEST GLOBAL ( SEPT-5th 2018 to june 14th 2019)

Project 1:

|  |  |
| --- | --- |
| Role | Devops engineer |
| Project name | X ray Code Scanner |
| Duration | September 2018 to February 2019 |
| environment | Jenkins, git, maven, Artifactory nexus tool, docker build image commands, Ansible |

Project 2:

|  |  |
| --- | --- |
| Role | Server Administrator |
| Project name | Static code analysis administrator |
| Duration  | March 2019 to June 2019 |
| Environment | Klocwork, fortify, checkmarx, sonarqube, Jenkins chron jobs, Sample github project for online url purpose of source code, visual studio of eclipse, Apache tomcat, java 1.8 jdk |

# Previous work Experience

## Job Title : Aws / DevOps engineer

## Company : BEBOIN INFO PVT LTD (july 2014 to August 2018)

Project 1:

|  |  |
| --- | --- |
| Role  | Linux administrator |
| Duration | July 2014 to December 2015 |
| Responsibilties | System administration, Maintainence and monitoring various day to day operations |

Project2:

|  |  |
| --- | --- |
| Role | Devops Engineer |
| Duration | Januray 2016 to August 2018 |
| Project Name  | Aws Build and release engineer |
| Environment | Jenkins, git , maven, pipeline, Artifactory nexus tool, docker, ansible, Apache tomcat, Nagios, sensu, mongo db, static code analysis |

**Currently working on:**

Job title: **Senior Software Engineer**

Company: **Wipro (July 31st to March 2nd 2020)**

**Project:**

|  |  |
| --- | --- |
| Role | Devops Engineer |
| Duration | July 31st 2019 to March 2nd 2020 |
| Project Name  | Aws Build and release engineer |
| Environment | Jenkins, git , maven, pipeline, Artifactory nexus tool, docker, ansible, Apache tomcat, Nagios, sensu, mongo db, static code analysis |

**Roles & Responsibilities:**

* Managed multiple AWS accounts with multiple VPC’s for both production and non-prod where primary objectives included automation, build out, integration and cost control.
* Managing AWS Infra and automation with CLI, API. Managing DATA Center Inbound and outbound services. Working on automation toll like Ansible and Puppet.
* Create ec2 instance and manage all compute resource. ELB for ec2 instance and troubleshooting. API Calling to start and stop instance in weekend. API calling to take the snapshot of root volume automatically.
* Storage on AWS EBS, S3 and Glacier and automate sync data to Glacier.
* Databases services on AWS like RDS, Dynamo DB. Elastic Transcoder, Cloud front, Elastic Beanstalk. Migration of ec2 instances from one region to another.
* Configuration of site- to- site VPN and open VPN using Linux ec2 instance.
* Uploading and bundling own customize AMI to s3 amazon bucket. Mounting S3 bucket with EC2 Instance. Mounting S3 and Glacier on window server and make script to sync data to local to AWS.
* Setting up of Site to Site VPN between different regions on AWS. Monitor all AWS instance through Nagios.
* Assisted Cloud Operations team resolve support requests while providing RCA’s and documentation for use onshore and offshore
* Linux System Administration supporting AMI builds, troubleshooting, shell scripting, backups and log file management
* Managed and supported AWS Security related issues, such IAM and S3 policies for user access
* Support for all other AWS products such as S3, RDS, Elastic Load Balancing, Route53 (DNS)
* Monitoring tools like Nagios, Sensu Monitoring Tool.
* Automated troubleshooting tasks by creating Shell scripts and AWS CLI tool
* Managed and supported AWS Security related issues, such IAM and S3 policies for user access
* Assisted high profile Enterprise customers to resolve critical issues related to Windows and Linux EC2 instances