

M.VILAS



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CAREER OBJECTIVE

Looking to join a Company on cloud platform where 4.6 years of experience with cloud infrastructure implementation for large businesses can be drawn upon for mutual benefit and to further career goals.

BRIEF OVERVIEW

- Served as the single point of accountability for client satisfaction across multiple IT infrastructure projects.
- Implemented cloud architectures as part of a team for companies looking to minimize cost while having the ability to deliver their application in a highly available, scalable and manageable environment using AWS.
- Technically Sophisticated Professional with nearly 4+ yrs of experience in the areas of System Administration and Management in Linux and cloud environment.
- Excellent communication and interpersonal skills with abilities in resolving complex issues.

Technical Skills

- Cloud Computing : Amazon Web Services (AWS)
- Operating System : Linux 6.0, CentOS, Windows server 2008 r2
- Webservers : Apache
- Monitoring Tools : Application Manager, Logic Monitor, Nagios, pagerduty, Pingdom.
- Ticketing Tool : Servicedesk ticketing, Atlassian Jira
- Log Management : Sumologic and Kibana
- Automation/Deployment tools : Jenkins, Ansible and Docker
- Repository Management : Bitbucket
- Encryption tools : ProtectV and KeySecure
- Databases : MySQL and MSSQL
- Storage technology : Hadoop (partial knowledge)

AWS Roles and Responsibilities

- Migration of PROD MySQL RDS to Aurora(MySQL) RDS through Readreplica and snapshot.
- Setting up new PRD/API/QA environment in AWS and also deploying the new site to this setup, bringing it live to receive public traffic
- Implementation of ELK(Elasticsearch, Logstash and kibana) to push logs to Elastic search domain for Log Management.

- Configuring PHP-FPM apache module and implementing event mpm module as a part of Application tuning to improve server performance
- Setting up PHP 7 environment in different AWS accounts hosting different sites.
- Creation of Customized dashboards for authentication logs, access logs and few other error logs on Kibana.
- Performed Application tuning for httpd using prefork, worker and event mpm.
- Installing Docker and working with Docker images and Amazon ec2 container service.
- Creating a New repository in Bitbucket along with Master and develop branch and configuring webhook to integrate it with Jenkins.
- Creating jobs in Jenkins to push the repository from bitbucket to the EFS.
- Setting up the aliases for the virtual hosts upon customer/client request.
- Worked on setting up sites in Pingdom to notify us whenever site goes down.
- Implemented the Automatic logs shipping to S3 from linux server and configured the retention period on S3 buckets.
- Generating SSL Key, CSR and Self Signed Certificate For Apache.
- Renewal of Apache virtual hosts certificates upon client request. Also updating the launch-config and AutoScalingGroup after this change in the server.
- Worked on generating the modern ssl config to harden the servers from outside attacks.
- Deploying the virtual hosts on the apache webserver through ansible and pushing the repo from bitbucket to EFS through Jenkins.
- Worked on AWS services such as EC2, S3, Elastic File System, ELB, Launch config and AutoScalingGroup, Glacier, Storage Lifecycle rules, Cloud Formation, CloudFront, CloudTrail, ElasticCache, RDS, VPC, Route53, Cloudwatch, IAM, SNS subscription service.
- Identifying the issues related to AWS services from CloudWatch and working on resolving them which might also require to work with AWS support team.
- Configuring AWS CLI on linux servers to access AWS account through command-line.
- Troubleshooting Site down issues in apache webserver by checking virtual hosts logs and preparing RCA for the same.
- Troubleshooting the site down issues in IIS manager for Window server from both application side and database side.
- Refresh of Production MSSQL database to UAT in SQL.
- Implementing portforwarding to private instances from bastion server
- Creating the scaling policies for AutoScalingGroup to scale instances based on CPU.
- Setting-up time based AutoScaling for AWS accounts.

Linux System Administration Skills

- User and Group Administration.
- Special permissions(SUID,SGID and Sticky bit) and Access control list(ACL).
- Managing File Systems and Partitions, encrypting the partition using LUKS.
- Configuring LVM normally and through PE/LE, also resizing the LV as per our needs.
- Booting Procedure in Linux, repairing the corrupted bootloader and recovering it.
- Backup and Restore (tar and gzip). Knowledge on kernel modules and blacklisting.
- Diagnosing and monitoring performance issues using ps, top.
- Scheduling the jobs using Crontab and at commands.
- Network configuration and troubleshooting, Network aliasing and NIC bonding.
- Administration and configuration of remote systems using SSH, SCP and RSYNC
- Configuring & Administration of FTP,DNS and DHCP servers and Kickstart installation
- Installation and configuration of Web Server(Apache) and Setup Apache Virtual Host Configuration.
- Configuring NFS(Network File System) Server and Auto-mounting the NFS directory.

- Managing software in linux using RPM and YUM .
- Monitoring System Performance, memory, disk and troubleshooting the occurrence.

CERTIFICATIONS

- Oracle Solaris 10 System Administrator Certified Professional PartI.
- Oracle Solaris 10 System Administrator Certified Professional PartII.
(Oracle Testing ID : OC1173797)
- AWS Certified Solutions Architect - Associate (ENGLISH)
(Certificate: AWS-ASA-21809)

WORK EXPERIENCE

Company:1

- Company : Indmax IT services Pvt Ltd.
- Designation : CloudOps Engineer (L2).
- Date of joining : 25th February 2013.

Company:2

- Company : Cambridge Technology
- Designation : Senior Engineer (L2) -AWS.
- Date of joining : 18th April 2016.

EDUCATION QUALIFICATIONS

- Bachelor of Computer Sciences(2008-2012) : 65%
St. Martins Engineering College
(Affiliated to the Jawaharlal Nehru Technological University)
- Intermediate (2006-2008) : 85%
Aurora junior college
(Board of Intermediate education)
- S.S.C (2006) : 79%
Nikhil Bharat Convent High School
(Board of Secondary Education)

PERSONAL DOSSIER

- Name : M. Vilas
- Father's Name : M. Mohan
- Date of Birth : 24th Jan 1991
- Hobbies : reading books, playing chess.
- Nationality : Indian
- Language known : English, Hindi, Telugu and Marathi.
- Address : M. Vilas, S/o M.Mohan, Dubbawada street, Metpally,
Karimnagar, Andhra Pradesh.

I hereby declare that all the information mentioned above is true to the best of my knowledge and belief.

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