SIVAKUMAR GUNTU

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# Professional Summary

* 15+ years of professional experience in IT industry, with 4 years of experience in AWS cloud computing and 9 years of experience as a System Administrator in installation, configuration and troubleshooting of Red hat enterprise Linux and Aix on various hardware platforms.
* Hands on experience with an in-depth level of understanding in the strategy and practical implementation of AWS cloud-specific technologies like Elastic Compute Cloud (EC2), Simple Storage Services (S3), ELB, Virtual Private Cloud (VPC), Auto scaling, IAM, RDS, Cloud Watch, CloudTrail, EC2 Image Builder, CloudFormation, AWS config, KMS, SNS, SSM, and code pipeline etc.
* Performed migrations from On-premise to AWS cloud using Cloud endure, Migration Factory and Cloud chomp tools.
* Good understanding of AWS Elastic Block Storage (EBS), various volume types and utilization of different types of EBS volumes based on requirement.
* Implemented and maintained the monitoring and alerting of production and corporate servers using Nagios and CloudWatch monitoring tool.
* Define AWS Security groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
* Configured S3 to host static web content, versioning, and lifecycle policies to and backup files and archive files in Amazon Glacier.
* Experience in creating and launching EC2 instances using AMI's of Linux and Windows.
* Created and configured Elastic Load Balancers and Auto Scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
* Expertise in Identity Access Management (IAM). Created users, groups and assigned roles based on their duties
* Managed IAM accounts (with MFA) and IAM policies to meet security audit & compliance requirements.
* Build Customized Amazon Machine Images (AMIs) & deployed these customized images based on requirements
* Build and configured virtual Data center in Amazon cloud to support Enterprise hosting which includes VPC, public, private subnets, Security groups and Route tables.
* Created NAT gateways and instances to allow communication from the private instances.
* Implemented AWS High-Availability using AWS Elastic Load Balancing (ELB), which performed a balance across instances in multiple Availability Zones.
* Expertise in creating and managing Logical Volume Manager in RedHat Linux and AIX servers
* Extensive knowledge on EMC and XIV storage.
* Configure and maintain virtual server’s environment using VMWare ESX host, VCenter vSphere
* Experienced on patches installation, patch upgrades and packages installation on Red Hat Linux servers by using RPM & YUM.
* Experience in bash, Yaml and shell scripting.
* Experience in coordinating with vendors for hardware support on AIX and Linux servers
* Day-to-day functional administration tasks, as well as application-specific technical support
* Familiar with remedy, ITSM, service now and service first ticketing tools.
* Performed troubleshooting production issues, root cause analysis and preventive actions
* Ability to adapt to new technologies and learn quickly.
* Provided production support in an on-call rotation in a 24x7 environment
* Ability to work both individually and as a team.
* I am a self-motivated, team-oriented professional who can work independently. I am confident of my ability to quickly learn and implement modern technologies in no time.

# Technical Skills

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| --- | --- |
| Bug Tracking tools | JIRA, ServiceNow |
| Build Tools | Ant, Maven |
| Application/Web Servers | Apache Tomcat, Web logic, DNS, LDAP, DHCP, IIS. |
| CI Tools | Jenkins. |
| Monitoring | Cloud Watch, Sumologic, Prometheus & Grafana |
| Containerization | Docker, Kubernetes |
| Configuration Tools | Chef, Puppet, Ansible |
| Web UI for Ansible | Ansible Tower |
| Source Code Management | Sub Version (SVN), GIT (GITHUB, Gitlab) Atlantis |
| Operating Systems | Windows, Linux, UNIX, Solaris |
| Scripting Languages | Shell, Bash, PowerShell, Yaml |
| Database System | MySQL, MongoDB, Cassandra, SQL Server |
| Cloud Computing | Amazon Web Services: EC2, IAM, Elastic Beanstalk, Elastic Load Balancer (ELB), RDS(MySQL), DynamoDB, S3, Glacier, SQS, SNS, Cloud Formation, Route 53, VPC, CloudWatch, VMware, Application Gateway, load balancers. |
| Others | AWS Console (Commercial/GovCloud) |

**Management Skills**

* Team Management: Training team members based on the requirements.
* Assigning the tasks to the right people based on the requirement
* Encouraging team growth
* Being transparent with the team on the requirements and timelines.
* Focused on 24X7 coverage
* Responsible for maintaining operational metrics to match with SLA and SLO Agreed.
* Hire, Train and add in the team.
* Organize training aligning with company needs and employee career development objectives.
* Running bi-weekly employee meetings discussing operational objectives, business KPIs and service/process improvement methodologies.
* Drive quarterly performance and capability reviews providing quality feedback and aiding the team to develop, achieve and rise in their respective roles.
* Collaborating with client services teams, internal business units and development teams to constantly review the process and tools and improve service delivery experience.

# Work History

**Site Reliability Engineer / DevOps Engineer 02/2022 to Current**

# Logrhythm

* AWS and working on vpc, subnet, backup, S3 bucket, control center, monitoring, AMI, aws transfer family, key management, Route 53, EC2, EBS, KMS and more.
* Automating with Terraform, Atlantis and GitHub from aws infrastructure.
* Releasing with Ansible and InProgress with Jenkins.
* Product tools salt, OpenVPN, suricata, Kafka, Elasticsearch, zeek, collectd, mongodb and more
* Setting up Tunnel, fabric and vpn connections in the network.
* Setting up infrastructure and applications for POC and production.
* Working with tech support and in calls with customers and fixing issues if required.
* Using the salesforce and jira for the ticketing and rally for the projects and confluence for the documentation.
* Prometheus and Grafana used for monitoring and alerts in PagerDuty and office 365 Team.
* Using okta for authentication.
* Working with the dev and qa teams for the releases and also fixing the defects.
* Fixed the new vulnerabilities from log4j and updated the infrastructure.
* Creating the RCA for outage.

# Cloud Security /DevOps Engineer 10/2020 to 12/2021 Fast.co – San Francisco

* Team training on CCPA, Global Privacy and Data protection, Security awareness fundamentals & Phishing remediation from knowbe4, making sure all the team members are completed.
* Veracode static and software composition analysis different types of scanning’s.
* Setting up Cloudflare, WAF, DNS, Load Balancing & Cache for fast response on the global.
* AWS, IAM roles, Security Hub, EC2 Instances, S3 buckets, RDS, Elastic Kubernetes Services, Elastic Container Services, Lambda and VPC used.
* Terraform for updates and aws managed with Git.
* Security Scanning’s Orca, Bridge crew & Lacework, POC for all these three.
* PCI compliance issues identified by tools and fixing and also working with the DevOps team to get PCI complete.
* Patching with the new CVE (common vulnerabilities and exposures from NIST and others.
* Using Jira tickets for the alerts and updates and going with the sprint process.
* Using Sumo Logic for SIEM
* Terrascan from git
* Cloudflare web application setting up dashboard, Creating the rules to block or allow and the logs.

# Architect DevOps 06/2018 to 0/2020

**Amava.com – Hyderabad**

* Working closely with AWS Proserve team on AWS Cloud migration project from on-premise VMware (Linux & Windows) to native AWS cloud infrastructure using migration tools such as Cloud Endure, Migration factory and Cloud Chomp.
* Involved in migration readiness preparation to migrate Linux and Windows Servers to Cloud.
* Proficient in different AWS services like EC2, IAM, S3, KMS, SNS, VPC, SSM, EC2 Image Builder, CloudFormation, AWS config, ELB, Autoscaling, RDS, CloudTrail and CloudWatch etc.
* Working on Cloud Endure migration tool which is used to convert VMs from Source infrastructure into AWS infrastructure.
* Launching Amazon EC2 instances using AMIs (Linux & Windows) and configuring launched instances with respect to specific applications.
* Creating and maintaining IAM users, groups, policies, roles, assume roles and implementing MFA (Multi Factor Authentication) to provide additional security to AWS account and its resources.
* Responsible for creating and configuring S3 buckets, bucket policies, ACLs, versioning and define life cycle policies to move data into different storage classes such as Glacier, Intelligent tiering and s3-Infrequently accessed etc.
* Creating KMS keys for different services (EBS, S3, CloudTrail, CloudWatch etc.) and updating key policy with proper users and roles based on the requirement.
* Configuring SNS topic for different services to receive notifications from the cloud.
* Responsible for Creating and maintaining VPCs (Virtual Private Cloud), subnets, security groups, Routes, network ACLs, VPC endpoints, NAT gateway and internet gateway etc.
* Implementing Patch process using SSM patch manager, creating maintenance windows, Patch groups and also write SSM documents to automate repetitive tasks such as installing CloudWatch agent, CPM agent and UIM agent etc.
* Responsible for creating and maintaining Golden AMI images for Windows and Linux operating systems using EC2 Image Builder.
* Configuring and managing ELBs (Elastic Load Balancer) to implement fault tolerance and avoid single point of failure of applications.
* Creating CloudFormation templates for AWS infrastructure to build staging and Production environment.
* Responsible for creating and maintaining AWS Config rules and monitoring dashboard on daily basis to resolve issues with non-compliant resources.
* Creating AWS Launch configurations based on Customized AMI and using this launch configuration to configure auto scaling groups.
* Analyzing cloud trail logs and finding root cause analysis for various issues.
* Creating alarms in Cloud Watch for monitoring the instance performance, CPU utilization, disk usage etc. to take recommended actions for better performance
* Setup and configure N2WS Backup & Recovery (CPM) tool for disaster recovery solution of AWS EC2 instances.
* Responsible for creating and maintaining backup policies, schedules, instance backups, recoveries, cross region backups & recoveries, cross account backups & recoveries, EBS volume recovery and file recovery etc. using N2WS Backup & Recovery tool (CPM).
* Familiar with AWS organizations, SCP policies, Guardrails and Tag policies.
* Troubleshooting different issues related to pre and post migration process to ensure Instances are fully operational without any compatibility issues.
* Providing technical support by troubleshooting day to day issues with various AWS services.
* Reviewing CloudTrail, ELB logs, Server access logs and VPC flow logs to troubleshoot issues if necessary.
* Working in an Agile environment to track and monitor all the user stories and their tasks using JIRA.
* Integrated Jenkins with many tools like Gitlab, Ansible, Jira, Docker hub, Artifactory to maintain CI/CD.

# Lead Cloud Engineer 11/2017 to 06/2018

**TeclaOne – Hyderabad**

* Implemented, deployed and maintained cloud infrastructure using AWS and Administration, Installation, Configuration, troubleshooting and Performance tuning of Red hat Linux and Aix operating systems in on-prem.
* Created AMIs for mission critical production servers for backup
* Created customized AMIs based on already existing AWS EC2 instances by using create image functionality, hence using this snapshot for disaster recovery.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances and deployed EC2 instances, ELBs by using Cloud formation in AWS.
* Creating S3 buckets and managing policies for S3 buckets and utilized S3 bucket and Glacier for storage and backup on AWS.
* Set up an Elastic Load Balancer to balance and distribute incoming traffic to multiple servers running on EC2 instances.
* Build Servers using AWS, launching EC2, RDS, creating security groups, auto-scaling, load balances (ELBs) in the defined virtual private connection.
* Worked on delegating access across various AWS Accounts using IAM roles.
* Worked on AWS Elastic load balancing (ELB) for deploying applications in high availability.
* Created security groups for VPC and made sure Inbound and Outbound rules are valid so that there is no security breach.
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux) and configuring launched instances with respect to specific applications.
* Experience in creating alarms and notifications for EC2 instances using Cloud Watch

# Lead Cloud Engineer 03/2013 to 06/2017

**Indmax IT Solutions Pvt Ltd, Coupa Inc (Hyderabad)**

* Managing and Leading L2 & L3 SRE team for Coupa.
* Managing team of 13 Members, Assigning the projects, and tracking and completing with in the timelines.
* AWS (Amazon web services) EC2 creations, EBS snapshot maintenance, ELB monitoring using ruby scripts, S3 storage management and monitoring, launching new setup using Cloud Formation, VPC management across regions.
* Tracking the ticketing system and making sure the tickets are addressed within SLA.
* Capacity planning and architecture designing in AWS and private cloud.
* Working on automating the regular tasks.
* Working on AWS cloud with Right scale and deploying scripts to automate installations and updates.
* Automation experience using Chef to implement new changes in cookbooks and data bags.
* Working on svn and git for configuration management and release process.
* Working on Capistrano and ruby scripts for deploying code across multiple Environments.
* Troubleshooting system level, application level and database level issues.
* Setting up DR environments and DR testing.
* Working with Dev, QA and the Support team on different issues and fixing them.

# Technical Manager 12/2011 to 02/2013

**Castlighthealth (Hyderabad)**

* (Cloud Operations) Managing and Leading L1, L2 & L3 NetOps and SECOPS for Castlighthealth (www.castlighthealth.com) Managing the team of 25 Members, Assigning the projects and tracking and completing within the timelines.
* Tracking the ticketing system and making sure the tickets are addressed within SLA.
* Capacity planning and architecture designing for the new Data Centers.
* Successfully migrated the entire stack to new Data center DR Planning and Testing Addressing the new prospect customer security questionnaire Tracking the Security alerts from HDS and VA tools and working with various teams to fix them according to the criticality.
* Maintaining the Documentation repository and having all processes documented.
* Taking the ownership of Security breach incidents and Working with the respective teams for fix and planning long term Solution.
* Working on Jira ticketing software for tracking the issues and maintaining the SLA.
* BIG IP F5 experience for web and middle tier load balancing.
* Experience with installing and providing support for RSA, Beyond trust 2F authentication, AD/LDAP, Kerberos with AD for web application.
* Implemented industry leading security tools like encryption, Data leak protection, data masking, OSSEC and centralized logging.

# Team Lead 01/2008 to 12/2011

**SuccessFactors (Hyderabad)**

* Managing & Leading the Security operation Centre (SOC) for, (www.successfactors.com) Managing the Team of 6 Members, Assigning the projects and performing the QA after completion.
* Managing the RSA Devices, WAF, IDS, Tripwire, Syslog, OSSIM, MacAfee & Whitehat Web application Tools.
* Performing Auditing of Firewalls & Network devices Tracking the user accounts for SOX Audit & SAS 70 Type II Sending the Weekly & Monthly Project reports to the Global team Tracking Vulnerability assessment and penetration testing in the environment and working with the respective teams for the fixes.
* Performing the Security QA on the Network and Solaris Machines before bringing them into production.

# Certifications

- SCSA: Sun Certified System Administrator - Elastic Cloud Infrastructure: Scaling and Automation Reliable Cloud Infrastructure: Design and Process - Google Cloud Platform: Core Infrastructure Architecting with Google Kubernetes Engine: Foundation

# Education

Master of Computer Application