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| Dixith V |
| **PROFESSIONAL SUMMARY** |
| Cloud Engineer with 9+ years of work experience on Amazon Web Services (AWS) and Splunk. Major responsibilities handled were designing migrating providing and maintaining cloud infrastructure using AWS and other DevOps tools. AWS certified SysOps, Solution Architect, Developer. Masters in Computer Information Systems. Strong knowledge in Business Intelligence and Analytics and good experience in data-driven decision-making using Excel, Splunk. |
| **WORK EXPERIENCE** 9+ YEARS |
| *Oct 2019 – Present AT&T, Austin / USA Cloud Engineer*   * Experience in Migrating Splunk Architecture. Testing migration of infrastructure onto cloud technology **AWS**. * Provisioned **Auto Scaling** groups, Elastic Load Balancing to scale instances per requirement. * Involved in designing and deploying applications utilizing almost all of the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto-scaling). * Strong expertise on Data Integration, processing and Data Visualization. * Strong experience with Hashi Corp products specifically Terraform. Expertise with Terraform modules. * Good knowledge on python scripting, * Expertise in using Aws services **like AWSGLUE, DATAPIPELINE, S3** and **REDSHIFT** * Used **Aws Cognito service** to integrate **Active Directory user authentication** purpose * Created scripts in **Python** which integrated with **Amazon API** to control instance operations, integrate and implement a complete cloud services framework (**IaaS, PaaS, and SaaS**) and cloud deployment model (**private, public, and hybrid**). * Developed API to interact with the Amazon SQS used in sending bulk emails. * Generated JSON format data packets from middle-tire controller to front-end using Jackson JSON API. * Used JIRA for defect management and to keep track of bugs and issues. * Built application using MAVEN and used Log4J to generate log files for the application. * Utilize **EBS** to store persistent data and mitigate failure by using snapshot. * Setting up AWS Oracle **RDS** databases for new project, use data pump to migrate data to Relational Database Services (RDS).   *May 2016 – Oct 2019 ANZ Bank Systems Engineer*   * Experience in Migrating Splunk Architecture. Testing migration of infrastructure onto cloud technology **AWS**. * Performed Onboarding Critical applications of bank onto Splunk platform. * Onboarded **60 applications** onto Splunk enterprise, involved in requirement gathering from application team SME’s. |



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| * Designed VPC and launched indexers, Search heads of Splunk on AWS. * **Troubleshooting** the **VPC** related issue due to lack of **IP’s** for using them in **Glue jobs.** * Create and maintain fully automated CI/CD pipelines for code deployment using **Bamboo** and   **Bitbucket**.   * Proficient in writing **Cloud Formation** Templates (CFT) in YAML and JSON format to build the AWS services with the paradigm of Infrastructure as a Code. * Written cloud formation templates in Json to create custom VPC, subnets, NAT to ensure successful deployment of web applications * Wrote **Ansible** playbooks and modules to deploy, configure, and manage servers. * Implemented **Auto Scaling** with Ansible and Assign Ansible Roles to EC2 instances * Experience in monitoring and auditing systems and Knowledge of networking concepts (e.g., DNS, TCP/IP, and firewalls). * Ability to deploy, manage, and operate scalable, highly available, and fault-tolerant systems * Involved in admin activities and worked on **inputs.conf**, **index.conf**, **props.conf** and **transform.conf** to set up time zone and time stamp extractions, complex event transformations and whether any event breaking. * Part of **Incident management team** and involved in troubleshooting migration issues. * Working on Performance Enhancements of ANZ applications. * Establish and ensure adoption of best practices and development standards. * manage and support change in environment and managed very large environments. * In process of obtaining certification on **TERRAFORM**.   *Mar 2014 - May 2016 Takeda Phrama, Connecticut Cloud Engineer*   * Developed and implemented software release management strategies for various applications as per agile process. * Connecting **AWS DIRECT connect** from on-premier to **VPC**. * Worked extensively with AWS services like **EC2**, **S3**, **VPC**, **ELB**, **Autoscaling Groups**, **Route 53**, IAM, CloudTrail, **CloudWatch**, CloudFormation, CloudFront, SNS, and RDS. * Set up and built AWS infrastructure with various services available by writing cloud formation templates in Json. * Experience in troubleshooting AWS cloud formation stack sets. * Used **Ansible** and **Ansible Tower** as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change. * Used **Ansible** Playbooks to setup Continuous Delivery Pipeline. Deployed micro services, including provisioning AWS environments using Ansible Playbooks. * Migrating an existing on-premises application to AWS Selecting the appropriate AWS services EC2, VPC, AMI, EB Volumes, RDS based on compute, data, or security requirements. * Worked with Networking communication skills and protocols such as **TCP/IP, Telnet, FTP, SSH, DHCP** encountered. * Created scripts in **Python** which integrated with **Amazon API** to control instance operations, integrate and implement a complete cloud services framework (**IaaS, PaaS, and SaaS**) and cloud deployment model (**private, public, and hybrid**). * Installed and configured agents on AWS EC2 Instances for agent-based monitoring. * Creation of Route 53 Hosted zones and record sets and transferring existing domain to AWS. * Creating and managing VPC, Subnet, Security groups and Load balancer (ELB) * Highly skilled in deployment, data security and troubleshooting of the applications using AWS services. |

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| * Capability to migrate on-premises workload to service providers. * Ability to estimate usage costs and identify operational cost control mechanisms.   *Aug 2013 - Mar 2014 DaVita Inc Philadelphia. Cloud Engineer*   * Built scalable, reliable and secured Infrastructure using AWS based on clients’ requirement. Automated installing the Linux packages and administering Linux service using Ansible, and automating product installation configuration. * Administration, implementation and support on multi platforms. * Preparation of operational testing scripts for Log check, Backup and recovery and Failover. * Creation and implementation of shell scripts to take care of DB backup, monitoring alert log, log rotation reports. Tuned servers for maximum efficiency for Oracle & MySQL Databases. * Day–to-day administration on Sun Solaris which includes Installation, upgrade & loading patches & packages Installation and configuration of Veritas Cluster servers. Added new service group and maintained existing service group. * Management and design of integrated build pipelines using continuous integration workflows such as **Jira, Git, Bamboo, Jenkins** * Configuring **Cloud Watch** for monitoring Instance, RDS, ELB's etc. * Used Ansible to document all infrastructures into version control. * Installed, upgraded **Tableau server** and server performance tuning for optimization. * Provisioned **Auto Scaling** groups, Elastic Load Balancing to scale instances per requirement. * Configured Sophos on Auto scaling groups to achieve high scalability and flexibility. * Reduced cost of infrastructure maintenance by 30% through implementation of Auto scaling and running EC2 instances behind **Elastic Load Balancing** (ELB). * Engaged with **10+ clients** to gather requirements and build infrastructure accordingly. | | | |
| **TECHNICAL SKILLS** | | | |
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|  | **Cloud Environment** | Amazon Web Services: EC2, S3, ELB, CloudFormation, Autoscaling, Glacier, Storage Life cycle rules, Elastic cache, RDS, VPC, Direct Connect, Route 53, Cloud watch, IAM Roles, SNS. |  |
| **Databases** | SQL Server Management Studio, RDBMS,RDS |
| **Web Servers** | Apache Web Server 2.0. |
| **Tools & utilities** | Splunk, Tableau, Jira, SQL Server Management Studio, Project Management, MS Office. |
| **DevOps Tools** | Ansible, Terraform, Bamboo, Jenkins, GitHub |
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| **EDUCATIONAL QUALIFICATIONS** | | | |
| **Jawaharlal Nehru Technological University (2009-2013)** *Hyderabad, India*  Bachelor of Technology in Electronics and Communication | | | |
| **CERTIFICATIONS** | | | |
| * AWS certified SysOps. * AWS certified Solutions Architect. * AWS certified Developer. | | | |