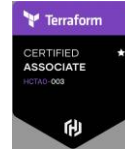


SUMANTH BASETTY

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PROFESSIONAL SUMMARY

- Over 7 years of experience as a Cloud Devops Engineer in designing, implementing, and managing cloud infrastructure and automation solutions.
- Experience with CI and CD methodologies using **Jenkins**, **AWS** in Agile Environments.
- Expertise in AWS Cloud Administration which includes **EC2, S3, EBS, ELB, Route 53, Auto Scaling, Security Groups, Redshift** and **CloudFormation**.
- Expert in implementing Infrastructure as Code using tools like **Terraform** and **Ansible**.
- Demonstrated scripting skills in one or more of **Shell, Python, Perl, Bash**, and **Ruby**.
- Experience with **Kubernetes** for developing and deploying large scale applications.
- Knowledge on writing customized **helm charts** for deploying applications.
- Experience with container-based deployments using **Docker**, working with Docker images, **Dockerhub** and **Docker registries**.
- Expert in monitoring tools such as **Prometheus, Grafana** and **ELK** stack for capture and analysis of system metrics, logs, and alerts.
- Hands on experience in using version control tools like **GIT, Bitbucket** and **SourceTree** to manage code and repositories.
- Excellent communication skills and strong architecture skills
- Ability to learn and adapt quickly to the emerging technologies.

EDUCATION

Master Of Science in Information Systems Security.

Jan 2019 – May 2020, GPA: 3.83

Master of Science in Electrical Engineering

December 2015, GPA: 3.73

Bachelor of Engineering in Electronics and Communication Engineering

May 2013, GPA: 3.50

SKILLS

Operating Systems	Linux, Windows, Mac, Ubuntu.
Scripting Languages	C, Perl, Python, PowerShell, Bash, Ruby.
Automation Tools	Jenkins, Chef, Puppet, Ansible, Docker, Terraform.
Version Control Tools	GIT, Subversion, Bitbucket.
Web/Application Servers	Apache Tomcat, WebSphere.
Monitoring Tools	Datadog, Twistlock Prisma Cloud, Splunk, Prometheus, Grafana, New Relic
Cloud Platform	Amazon Web Services
Orchestration Tools	Kubernetes, Docker, ECS

CERTIFICATIONS AND SKILLS

Certified Terraform Associate
Certified Kubernetes Administrator
AWS Certified Developer Associate

May 2023
July 2021
August 2018

WORK EXPERIENCE

Cloud Engineer

Hitachi Vantara
Jan 2022 – Present

Responsibilities:

- Expertise in building CI/CD pipelines using **Jenkins** using **Groovy** and **Python**.
- Provisioned full scale cloud infrastructure using **Terraform** and **CloudFormation** templates.
- Involved in using Terraform to **migrate** legacy and monolithic systems to Amazon Web Services.
- Configured Jenkins plugins to extend its capabilities, such as integrating with other tools like **SonarQube**, **JIRA**, **Bitbucket**, **JFrog**, **Artifactory** and **Prometheus** ensuring availability of continuous integration and deployment infrastructure.
- Designed and implemented highly scalable and available **Kubernetes** clusters on AWS resulting in significant reduction in deployment time.
- Automated the deployment of **microservices** using **Kubernetes** and **Helm charts** along with implementing self-healing and auto scaling capabilities.
- Hands-on experience in deploying security and monitoring agents like **Twistlock** agent across multiple servers and actively use Prisma Cloud for vulnerability scanning and compliance purposes.
- Created **Docker files** and **Docker registries** for streamlined image creation, versioning, and distribution.
- Integrated Docker with orchestration tools such as Kubernetes to manage container clusters and scale applications effectively.
- Integrated **Snowflake** with **Datadog** to gather, analyze and visualize warehouse metrics and generate reports periodically.
- Extensively involve in day-to-day operational activities like patching, cluster upgrades, log groups creation, image builder management across multiple environments.
- Deploy, monitor, and maintain monitoring and security tools like **Datadog**, **Prisma Cloud**, **Prometheus**, **Grafana** and **Splunk** across multiple cloud resources.

DevOps Engineer

Cognizant Technology Solutions
June 2020 - Jan 2022

Responsibilities:

- Provisioned and maintained AWS resources like **EC2**, **S3**, **VPC**, **Route53**, **Cloud Watch** alarms.
- Developed and implemented **Splunk queries**, **reports**, and **dashboards** to extract meaningful insights from log data.
- Implemented infrastructure lifecycle management using **Terraform**, enabling infrastructure updates, upgrades, and teardowns with ease.
- Developed **Ansible playbooks** and **roles** to automate the provisioning and configuration of servers, networks, and applications.
- Utilized **Hashicorp Vault** for secure management of sensitive data, such as passwords and API keys, ensuring data confidentiality and protection.

- Designed and implemented **Docker** images and containers for streamlined application deployment, reducing dependencies, and enhancing scalability.
- Utilized **EC2 Image Builder** to automate the creation, customization, and maintenance of Amazon Machine Images (AMIs), streamlining the image building process along with distribution.
- Expertise in using **AWS Lambda** to design, develop, and deploy serverless functions, enabling efficient and scalable execution of code.
- Expertise in writing Kubernetes YAML manifests to define and deploy microservices-based architectures.
- Integrated **Istio** with **Prometheus** and **Grafana**, to gain insights into service mesh performance, latency, and request tracing.
- Develop, execute, and maintain test cases for user stories.
- Expertise in performing Mobile Application Testing using Appium.

Software Developer

IT Ideology LLC.

April 2016 – May 2020

Responsibilities:

- Expertise in managing all aspects of **Jenkins**, including plugin management, ensuring secure and scalable Jenkins deployments, and integrating code analysis tools to establish robust CI/CD pipelines.
- Expertise in creating and tracking user stories, tasks and bugs in JIRA, Confluence and Rally.
- Utilized **Kubernetes secrets** and **ConfigMaps** for secure storage and management of sensitive configuration data.
- Expert in Kubernetes deployments and rolling updates to minimize downtime and ensure smooth application updates and scaling.
- Designed and implemented **Chef recipes** and **cookbooks** to setup desired configurations.
- Used **Ansible** to automate repetitive tasks, deploy applications and for change management.
- Setup continuous delivery pipeline using **Ansible playbooks** by provisioning AWS resources.
- Designed and implemented **Terraform** modules to abstract and reuse infrastructure configurations, promoting code reusability and reducing deployment time.
- Implemented a continuous delivery framework using **Jenkins**, **Chef** and **Maven** in Linux environment.
- Wrote **Python** scripts to monitor services and **Perl** scripts to insert, delete and modify content in multiple servers.
- Automated weekly release with Maven scripts for compiling, debugging, and storing builds in Maven repository.
- Responsible for building and deploying the artifacts into Dev, UAT and QA environments.
- Utilized **CloudFormation** parameters, mappings, and conditions to create flexible and customizable infrastructure templates.
- Created **Splunk** queries and dashboards to analyze application performance, capacity analysis and security metrics.
- Implemented **UI Automator** viewer in Appium to inspect elements in mobile applications.
- Ensuring that the performance testing results are accurately documented, collaborating across system development teams to troubleshoot and identify performance bottlenecks using New Relic Analytics.