

# HEMANTH YARLAGADDA

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## Skills

**Languages:** Python, C, SQL, PowerShell, Bash

**Networking:** DNS, VPN, DHCP, TCP/IP

**Virtualization & Cloud:** VMware, Azure, AWS, GCP

**Tools & Services:** Terraform, Ansible, Jenkins, Git, AWS Lambda, Amazon Connect, CloudFormation, CodePipeline, CloudWatch, S3, CloudFront, Elastic Load Balancing (ELB), AWS Fargate, WAF, GitHub Actions, Black Duck, JFrog, VPC, VNet, NSG, YAML, JSON

**Containerization:** Docker, Amazon Elastic Container Service (ECS), Kubernetes (AKS, EKS)

**Build Tools:** MS Build, AWS CodeBuild

**Version Control:** GitHub, GitLab, AWS CodeCommit, Bitbucket

**Operating Systems:** Debian, Kali Linux, Security Onion, Mac OS, Windows, Linux.

## Experience



### Professional Services

Amazon Web Services (AWS)

Sep 2022 - Apr 2023 (8 months)

- Designed and implemented a 3-tier architecture using AWS services such as S3, ELB, Terraform, ECS, RDS, VPC and Lambda.
- Optimized the infrastructure leveraging the AWS Well-Architected Framework thereby reducing the overall cost of running the infrastructure by 37%.
- Developed custom Terraform modules to accommodate customer infrastructure
- Created and maintained CI/CD pipelines deployed using Terraform, GitHub, CodePipeline
- Monitored and troubleshooted AWS infrastructure issues using CloudWatch and CloudTrail



### DevOps Engineer

Rockwell Automation

Aug 2021 - Sep 2022 (1 year 2 months)

Responsible for; ESXi maintenance and troubleshooting

- Migrating the on premises build infrastructure to VMware VxRails
- Maintaining and building Jenkins pipelines as required for the team
- Improving the Jenkins pipelines by following the best practices thereby reducing build times.
- Making use of artifactory to publish builds and managing dependencies required for the build in artifactory repos.



## DevOps Engineer

fruitstone

Jan 2020 - Jul 2021 (1 year 7 months)

- Migrated legacy Jenkins configuration to the newer pipeline scripts.
- Integrated JFrog Artifactory with Jenkins to store builds, binaries, dependencies, and packages necessary for building the product
- Configured servers and installed required softwares using Ansible playbooks
- Maintained VMware ESXi servers within the company's infrastructure



## Cloud Engineer

Sistel Group

Mar 2015 - Oct 2016 (1 year 8 months)

- Deployed and managed servers utilizing both traditional and cloud-oriented providers like Amazon with Ansible configuration management through initial technology development, and into production and maintenance.
- Worked with VMware ESXi on creating new VMs and managing the operating system on the VMs
- Worked with AWS Cloud formation templates for services like S3, DMS etc.

## Licenses & Certifications



### Amazon Web Services Solutions Architect - Associate - Amazon Web Services (AWS)

Issued Nov 2022 - Expires Nov 2025

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### Amazon Web Services Developer - Associate - Amazon Web Services (AWS)

Issued Dec 2022 - Expires Dec 2025

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### Azure fundamentals - Microsoft

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### Terraform Associate - HashiCorp

Issued Jan 2022 - Expires Jan 2024

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## Education



### University of Cincinnati

Masters, Computer Engineering



Bachelors, Electronics and Communication Engineering MGIT, JNTUH