

# HEMANTH YARLAGADDA

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<https://www.hemanthyarlagadda.me>

## 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, Active Directory, AWS Lambda, Amazon Connect, CloudFormation, CodePipeline, CloudWatch, S3, CloudFront, Elastic Load Balancing (ELB), AWS Fargate, WAF, GitHub Actions, Black Duck, JFrog, VPC, VNet, NSG, VMware ESXi, VMware vSphere, YAML, JSON, Prometheus, Nagios

**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 Active Directory, ESXi maintenance, and troubleshooting
- Migrating the on premises build infrastructure to Azure, VMware VxRails
- Maintaining and building Jenkins pipelines migrating them to Azure AKS (Azure Kubernetes Service)
- 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

[https://www.credly.com/badges/375bbec0-66f6-4771-b1cc-612d6b4bcf45/public\\_url](https://www.credly.com/badges/375bbec0-66f6-4771-b1cc-612d6b4bcf45/public_url)



### 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