

# Pagolu, Lakshmi Sampath Somanath

8063193325 | [lpagolu@ttu.edu](mailto:lpagolu@ttu.edu) | Lubbock, Texas, USA | [myweb.ttu.edu/lpagolu](http://myweb.ttu.edu/lpagolu) | [Linkedin](#)

---

## Summary

Cloud and DevOps engineer with 3+ years of experience in the IT field. AWS certified cloud engineer with industry-standard knowledge in CI/CD configuration, Docker, Kubernetes, Cloud engineering and automation.

---

## Education

**Computer Science** 01/2020 – present, LUBBOCK, USA  
Texas Tech University - Master's in science – 3.5/4

**Electronics and communication** 06/2014 – 05/2018, India  
GITAM University - Bachelor of technology - 3.8/4

---

## Skills

- AWS (Certified Solutions Architect Associate), Azure, Google Cloud Platform
  - **DevOps tools (CI/CD):** Jenkins, Sonatype Nexus, Ansible, Octopus deploy, Azure DevOps, CircleCI, TFS
  - **IaC:** Terraform, Ansible, AWS Cloud Formation
  - **VCS:** Git, Github, Gitlab, Bitbucket
  - **Container and Orchestration:** Docker, Kubernetes, Docker compose
  - **Scripting:** Bash, PowerShell
  - **OS:** GNU/Linux, Debian based systems, RHEL, Windows servers
  - **Programming languages:** Python, R, C, C++, SQL
  - **Databases:** MySQL, Postgres, Oracle, DynamoDB
  - **Web Development:** HTML, CSS, JS, Node.JS
- 

## Experience

### Cloud Engineer/Web development

**Texas Tech University, Department of Psychological Sciences, 01/2021 – Present, Lubbock, USA**

- Improving the functionality of the existing code (Node.JS) and adding new functionality.
- Deploying and maintaining **Elastic Beanstalk**
- Creating **Lambda** functions for effective log management of delivered notifications.
- Configured, managing, and maintaining **DynamoDB** tables.
- Managing users using **Amazon Cognito**
- Maintaining **IAM** roles, users according to best practices

### Graduate student technician/Lead

**Texas Tech University, ITHC - 02/2020 – Present LUBBOCK, USA**

- **Helping** and **supervising** fellow student assistants with complex IT problems that need further research and understanding.
- Working with multiple teams and increasing **productivity** of individual team with experience from the other team.
- Creating, reviewing, maintaining interactive and helpful Knowledge base articles for the department to refer to when helping customers.

### Cloud engineer

**Liquidhub India - 08/2018 – 01/2020 HYDERABAD, INDIA**

- Build and deploy highly available IaaS, PaaS, and SaaS solutions for clients using multiple cloud providers (AWS, Azure, GCP.)
- Deploy and support Kubernetes environment on **AWS EC2, Azure VM, EKS**.
- Created **Git** triggered **DevOps** pipelines using **Ansible, Jenkins, Octopus Deploy, Docker** in **Azure VM**, and **EC2** clouds.
- Cloud **cost-cutting** by re-visioning and redeploying resources for optimal utilization.
- Providing daily updates in scrum meetings.
- 24/7 primary contact for multiple projects.
- **Migrated** IaaS solution to **Docker** containers for increasing High availability and improving cost optimization.
- Created **lambda functions** for dynamic scheduling the VMs.
- **Migrated** On-prem Dev environment which contained 50+ VMs to **Azure Cloud**.
- Worked for internal R&D team, documented ways to implement new technologies like **Kubernetes, Helm**, Service mesh architectures and other new technologies for other teams.

### Cloud engineering intern

**Liquidhub India - 07/2017 – 07/2018 HYDERABAD, INDIA**

- Learned **Cloud engineering** concepts and **DevOps** methodologies and achieved **AWS associate certification**.
- **Linux** and **windows administration**.
- Basic **network administration**
- Verify client environments are functional using APM tools such as **AWS CloudWatch** and **CA App synthetic monitor**.