

PrasannaKumar Reddy

+1-(859)-979-6067 | prasannareddy.chirra@gmail.com | Louisville, KY | [linkedin.com/in/prasannakumar-reddy/](https://www.linkedin.com/in/prasannakumar-reddy/)

EDUCATION

Eastern Kentucky University
Master's degree in computer science, Major in AI Data science

Richmond, KY
August 2023 – July 2024

EXPERIENCE

Senior Azure DevOps Engineer

November 2024 – Present

Elevance Health Inc.,

Remote

- Developed and maintain scalable Microsoft Azure infrastructure using Terraform, ensuring efficient cloud deployment and streamlined resource management with 100% Efficiency.
- Led application migrations from on-premises to Microsoft Azure Cloud and review the applications architecture and Infrastructure code and include regular rehydration of virtual machines every 90 days.
- Create and manage automation using PowerShell Scripting to enhance operational efficiency and streamline repetitive tasks.
- Configure and manage Bamboo pipelines and agents to support seamless CI/CD workflows and optimize deployment processes and configure the application software installation and configuration using Ansible Playbooks.

Senior Cloud Platform Engineer

July 2024 – November 2024

American Express

Phoenix, AZ

- Developed secure Terraform modules, implementing least privilege access, encryption, networking and cloud security to ensure compliant and secure infrastructure as code (IaC) deployments.
- Deployed and managed cloud resources using Terraform for scalable and efficient infrastructure on AWS and GCP, while maintaining and enhancing in-house HCL codebases to keep configurations up to date.
- Collaborate with cross-functional team and utilized in-house CI/CD automation tools and to streamline development and deployment processes, improving efficiency and reliability.
- Monitored and managed cloud infrastructure, applying network security principles and ensuring proper handling of Personally Identifiable Information (PII) to maintain compliance and data security with 95%.

Graduate Cloud Programmer

August 2023 – May 2024

Eastern Kentucky University

Richmond, KY

- Collaborated with the research team and do innovation with AI models, optimize performance, and document AI model training and infrastructure operations and configurations.
- Inclusive AI libraries like TensorFlow, Sci-kit Learn, PyTorch, OpenCV and MATLAB to enhance understanding of charged particle paths by visualizing alpha, electron tracks in supersaturated vapor using NVIDIA Jetson GPU, Google Coral Board.

Senior DevOps Engineer

September 2020 – July 2023

Carelon Global Solutions, Client – Elevance Health Inc.,

Hyderabad, India

- Architect and design a secure cloud engineering and compliant landing zone infrastructure, implementing multi-account IT architecture across AWS, GCP, OpenShift, and Azure Cloud Platforms, achieving a compliance rate of 99%.
- Designed and managed Terraform Enterprise to automate infrastructure provisioning and management, creating reusable Terraform modules for consistent resource deployment, resulting impact of manual creation resources by 85%.
- Implemented automation for terraform enterprise, version changes, sentinel policies and infrastructure creation with Agile software development and Ansible Tower Applications improved efficiency in deployments by 75%.

Cloud Engineer

May 2017 – September 2020

Powerup Cloud Technologies

Bangalore, India

- Communication with business IT stakeholders, technical knowledge, and developers and establish project objectives and deliverables, tailored public and private cloud platform solutions, and migration strategies for diverse business administration.
- Scale secure cloud infrastructure for ResMed's My Air project, management that meets client needs within tight deadlines delivered by 99%. Managed infrastructure with Terraform for automating the resource creation with Jenkins.
- Executed seamless data migration from on-premises SQL databases to AWS. Led End to End ETL process optimization at ResMed, leveraging AWS EMR, Glue, DynamoDB ensuring minimal disruption deployment efficiency rate by 95%.

CERTIFICATIONS

- HashiCorp Terraform – Associate
- AWS Devops Engineer – Professional
- AWS Solution Architect – Associate