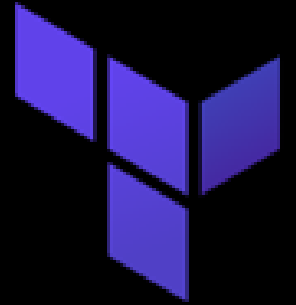


Deploy Infrastructure as Code on Azure using GitHub Codespaces and Terraform Cloud



Who Am I ?

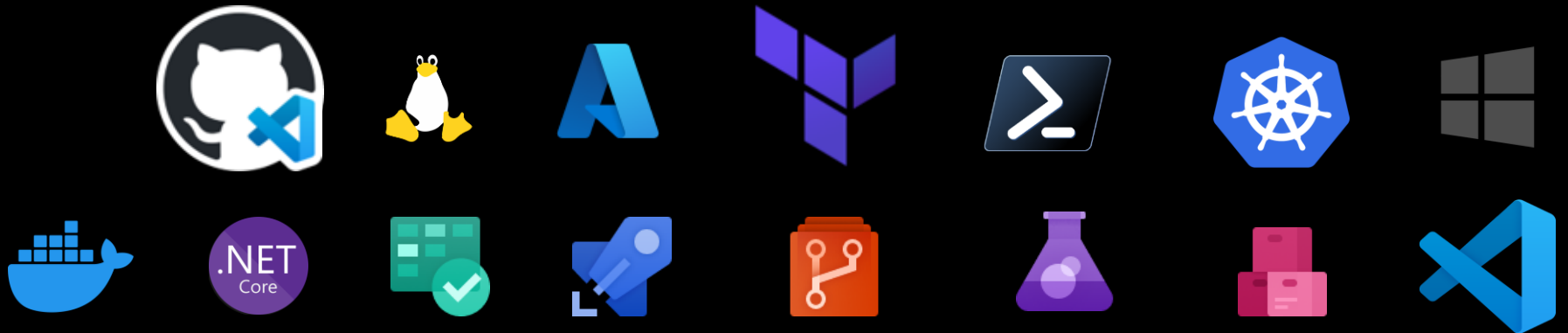
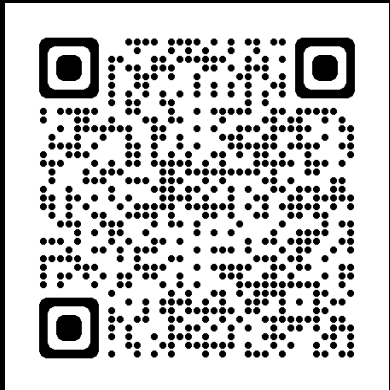
Digital technologies professional who loves to learn, believes in sharing knowledge, creates tech YouTube videos, speaks in tech conferences and meetup groups.

Currently working on

- Automation
- Azure DevOps
- Containers
- Migration and Modernization of business applications

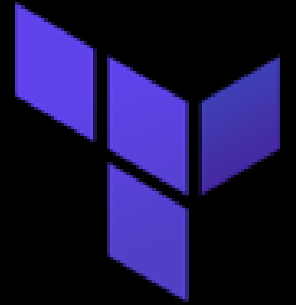


Ashish Singh Baghel
Solutions Architect



CHALLENGES

- Non Standardized Dev environment
- State File Management
- Access Control



SOLUTION

Personalized Terraform development environment,
which any one can access instantly, anytime,
anywhere in any machine (Mac, Windows, Linux)



Cloud Development
Environment



Remote Operations
Terraform Cloud



Provision
Infrastructure

3 Simple Steps



Step 1: Create Service Principal in Azure

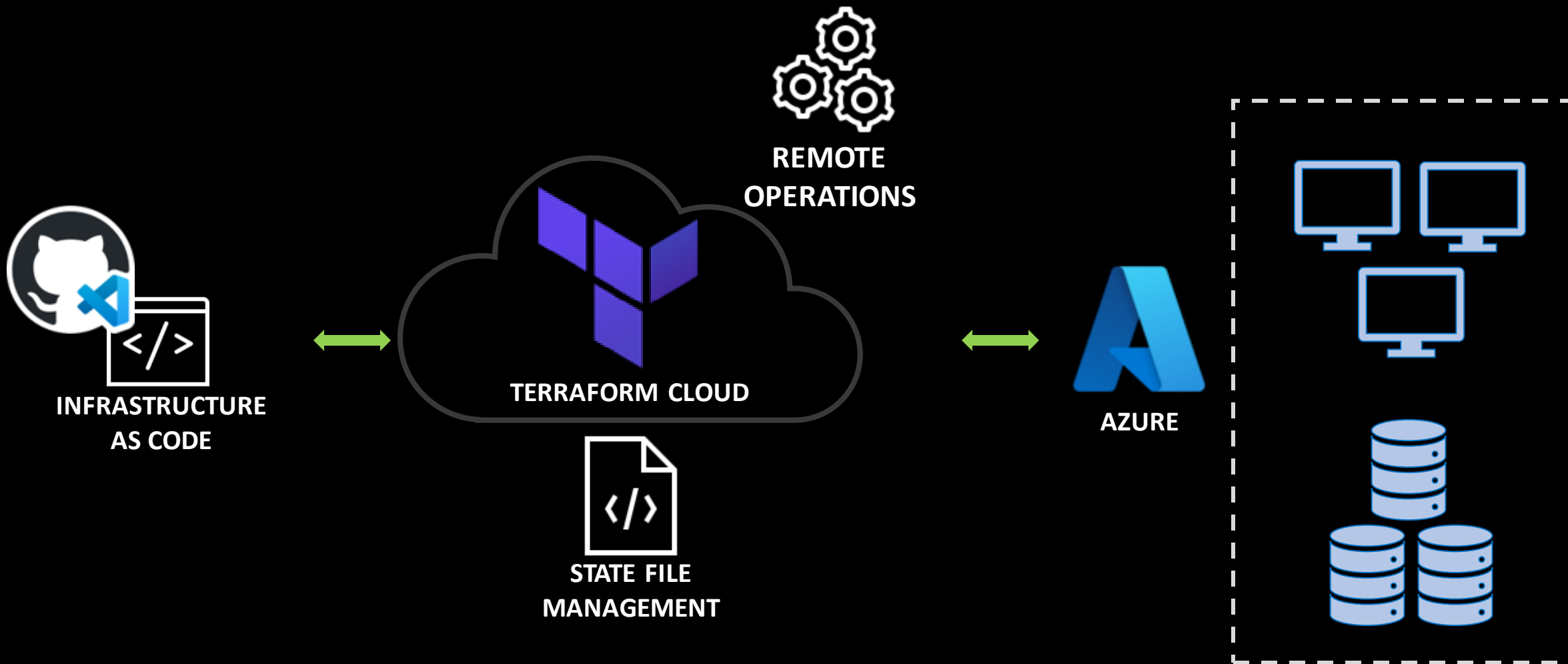


Step 2: Configure Terraform Cloud



Step 3: Develop/Deploy using GitHub Codespaces

DEMO



REFERENCES

Get Started - Terraform Cloud

<https://developer.hashicorp.com/terraform/cloud-docs>



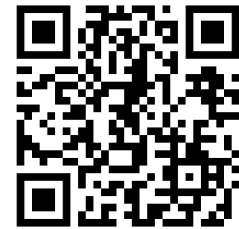
Create Azure Service Principal

<https://learn.microsoft.com/en-us/cli/azure/create-an-azure-service-principal-azure-cli>



GitHub Codespaces

<https://github.com/features/codespaces>



KEY TAKEAWAYS

- Github Codespaces enables personalized cloud dev environment
- Terraform Cloud for CLI Driven Workflow + State Management
- Azure Service Principal for Role Based Access Control

GET IN TOUCH



<https://github.com/mechdeveloper>

<https://www.youtube.com/@techAshishSinghBaghel>

<https://twitter.com/mechDeveloper1>

<https://www.linkedin.com/in/baghelashish>

<https://techhackswithash.com>

Demo and Instructions are available on **GitHub Repo:**

<https://github.com/mechdeveloper/demo-codespace-terraform>