

Skills required to complete the challenge and pre-reads to get you prepared

To develop an interactive web portal that retrieves user requirement for a data lake infrastructure, compiles a Terraform template accordingly and deploys to AWS/ Microsoft Azure through CI/CD pipeline. The team should have the below skills:

- Basic understanding/experience on developing an architecture/application on AWS or Microsoft Azure
 - ◆ AWS Training: <https://aws.amazon.com/training/>
 - ◆ Microsoft Learn: <https://docs.microsoft.com/en-us/training/>
- Basic understanding on Terraform
 - ◆ HashiCorp Learn: <https://learn.hashicorp.com/terraform>
- Data transformation/analytics
 - ◆ AWS Training: <https://aws.amazon.com/training/learn-about/data-analytics/>
 - ◆ Microsoft Learn: <https://docs.microsoft.com/en-us/training/paths/data-analytics-microsoft/>
- CI/CD
 - <https://www.youtube.com/watch?v=qP8kir2GUgo>
 - ◆ Frontend development
 - ◆ Backend development
 - ◆ API-integration