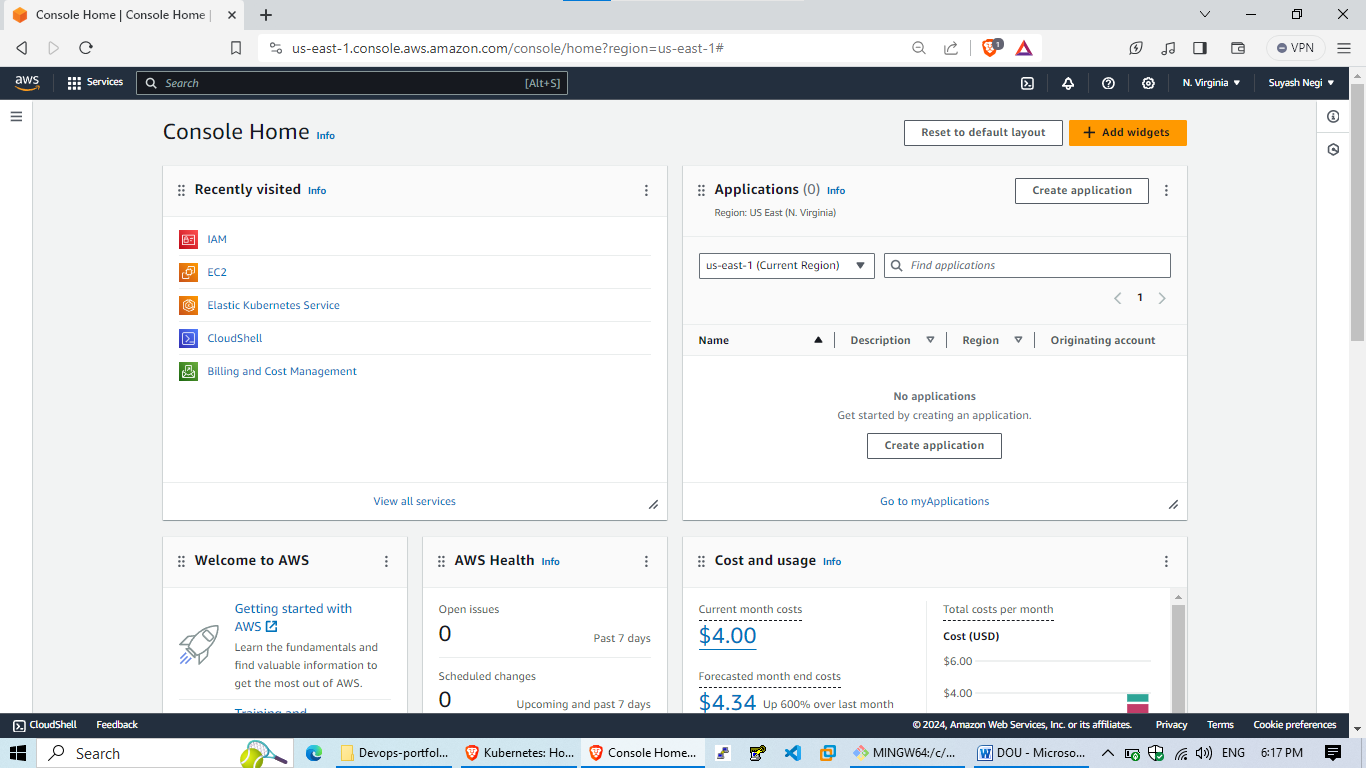
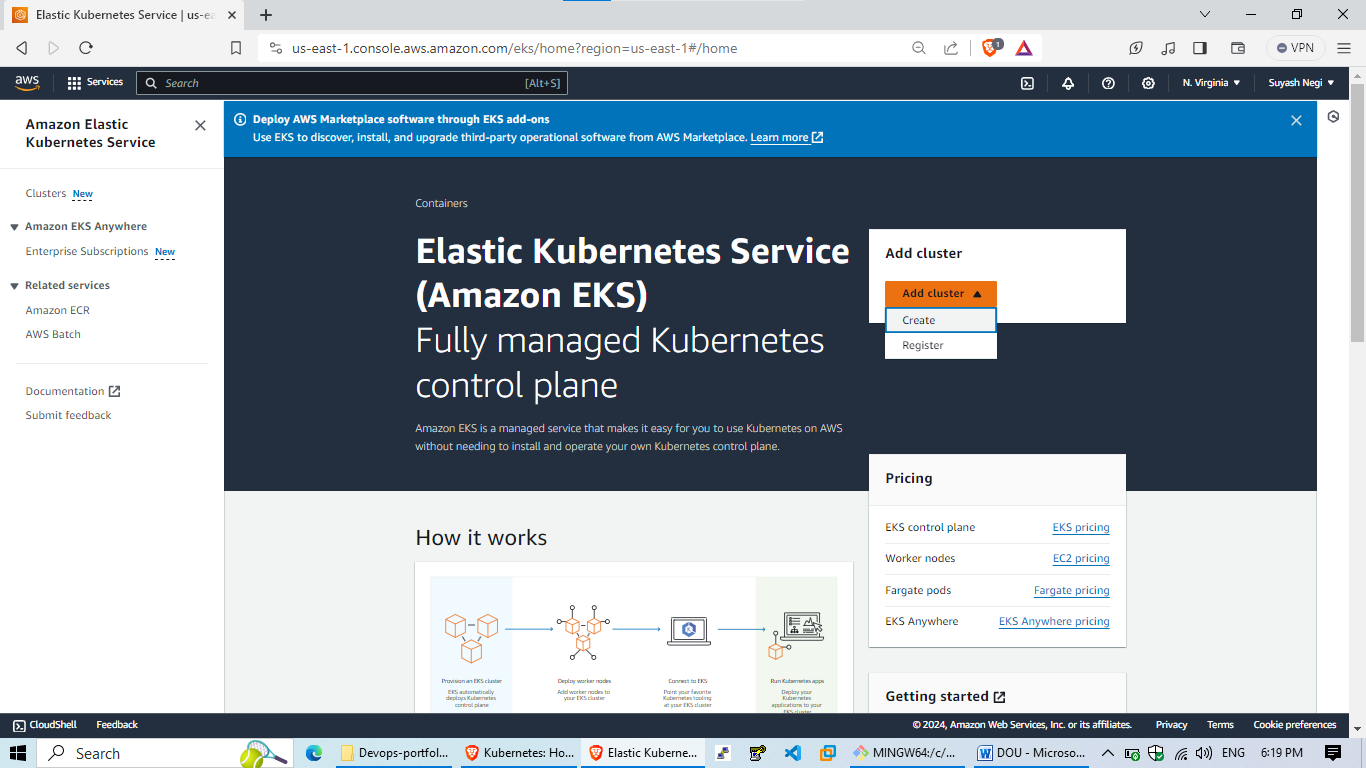
Project One: – 2048 Game

Note: we are setting up an EKS cluster and node group for compute after success of it; we will be able to play 2048.

Step 1: Log into AWS environment.



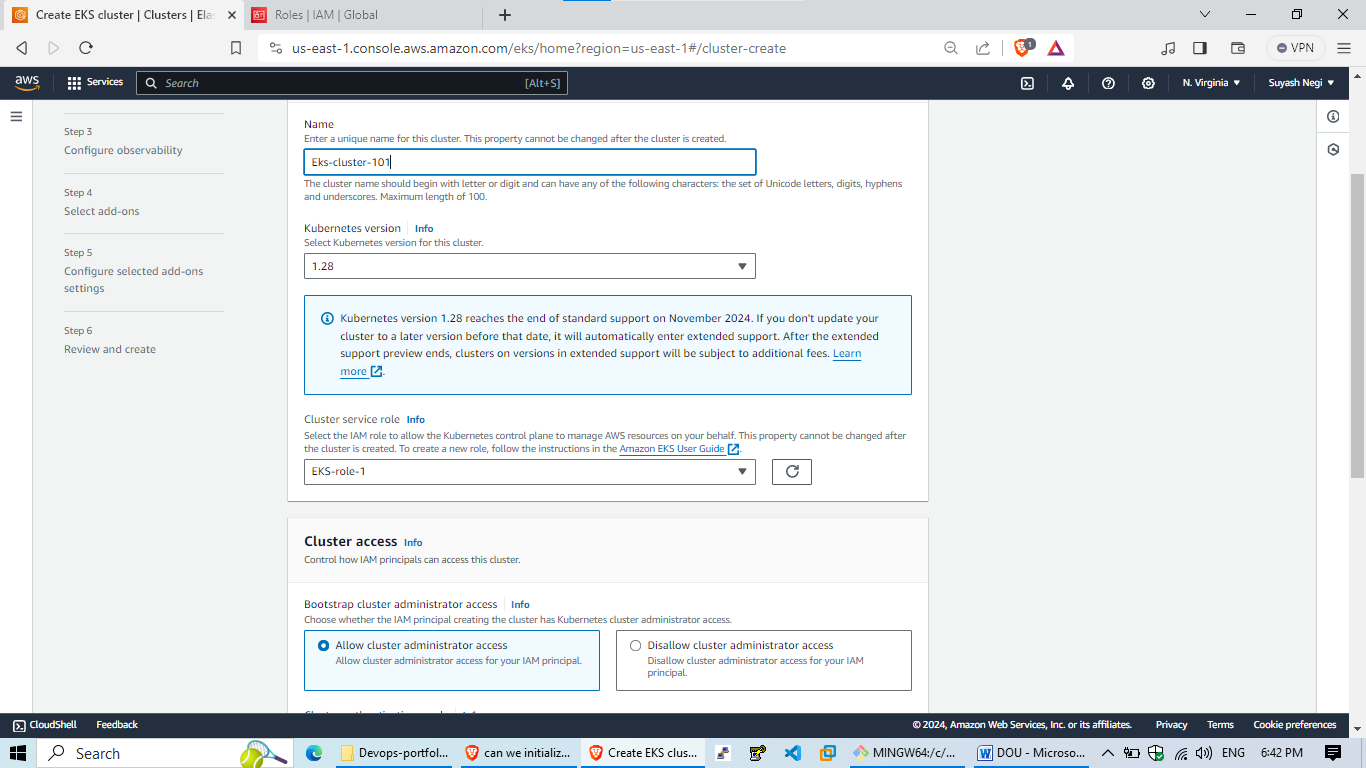
Step 2: Go to EKS platform through AWS console and create a cluster.



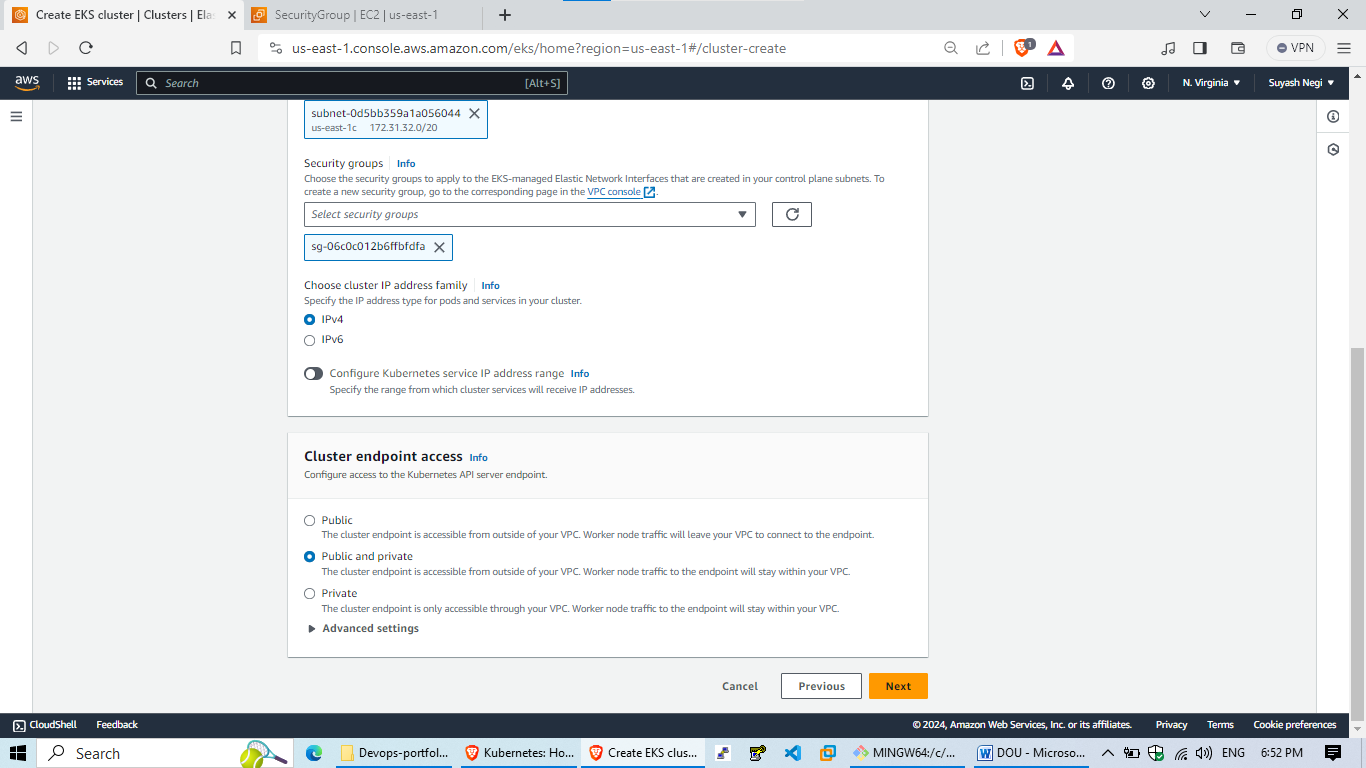
Bonus point Create an IAM role first:

IAM-> Roles-> Create a role-> Trust entity type (AWS service) -> Use Case (Service: EKS type it and select EKS cluster use case) -> Next-> Add permissions (will already have an existing EKS cluster policy no need to change it, do Next) -> Name (EKS-role-1) -> Create role.

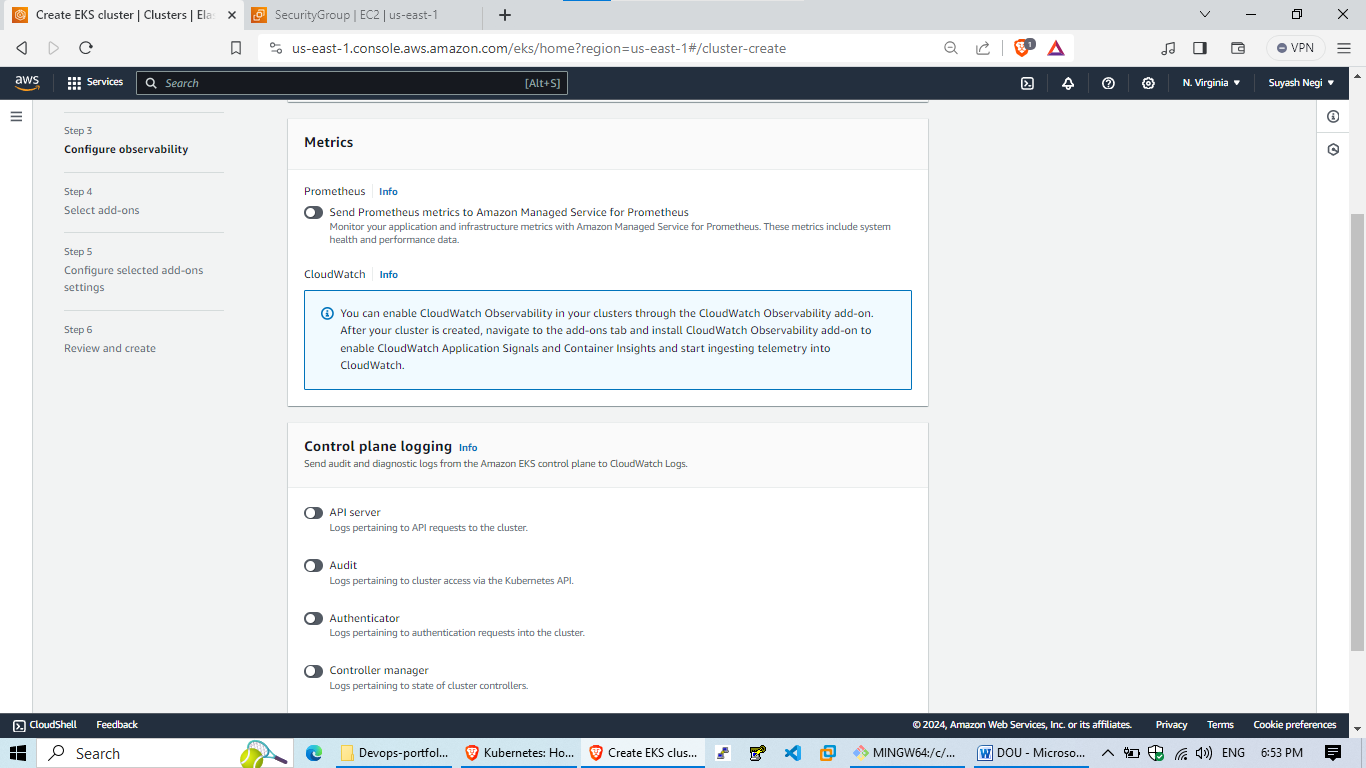
Step 3: Add name of the cluster, always select latest version for K8’s and create a service role to it through IAM.

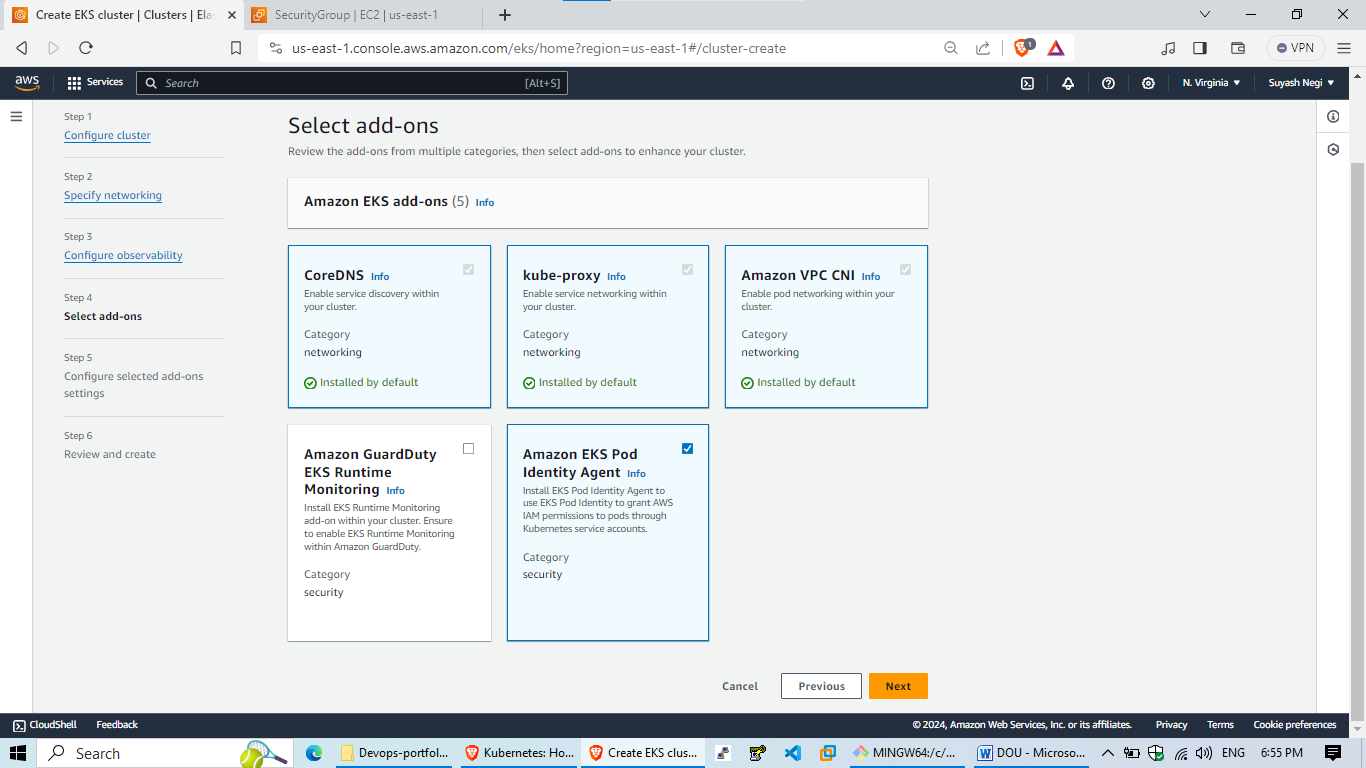


Step 4: Go to next page then select APV you can select DFLT VPC for now and do remove AZ-1E. Create a SG with Name will eks-sg1 then select the dflt vpc and then add inbound rules ssh & http anywhere and add custom tcp pot 8080 anywhere create sg. Come back to eks screen add Security group and then leave everything as it is.



Step 5: Leave everything default in these two upcoming pages and click next.





Final cluster page