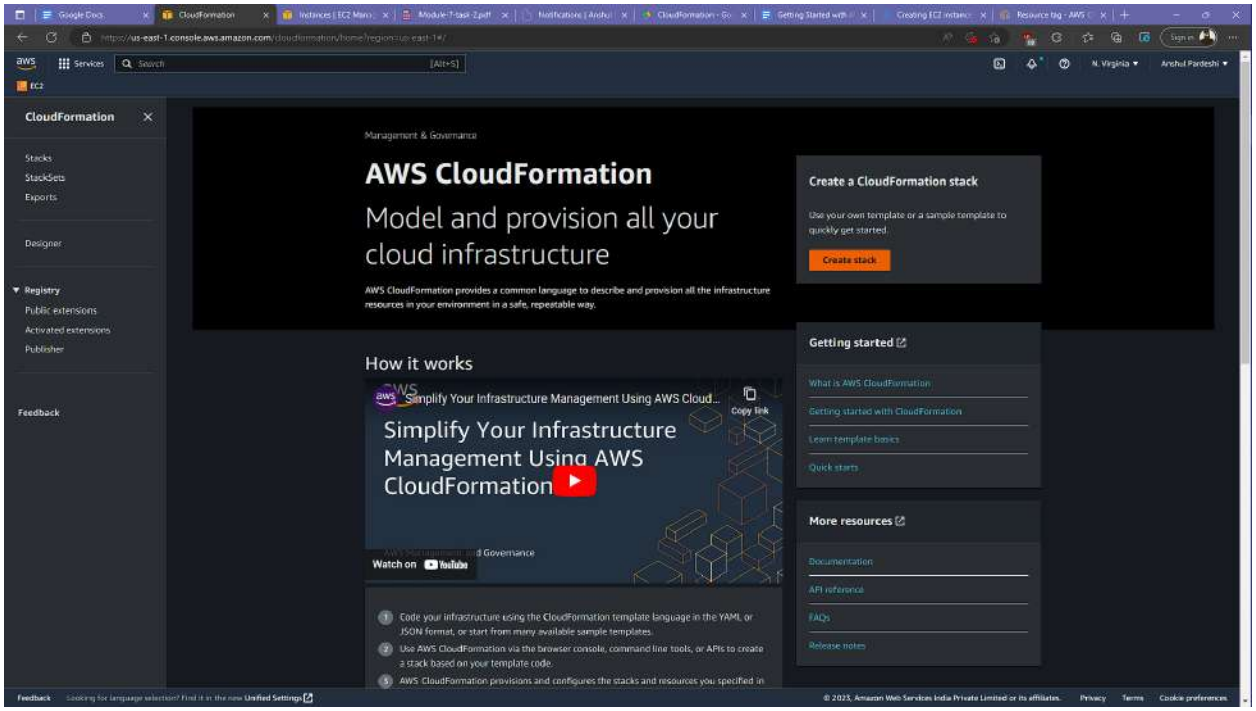
Module-7: Cloud Formation Assignment - 2

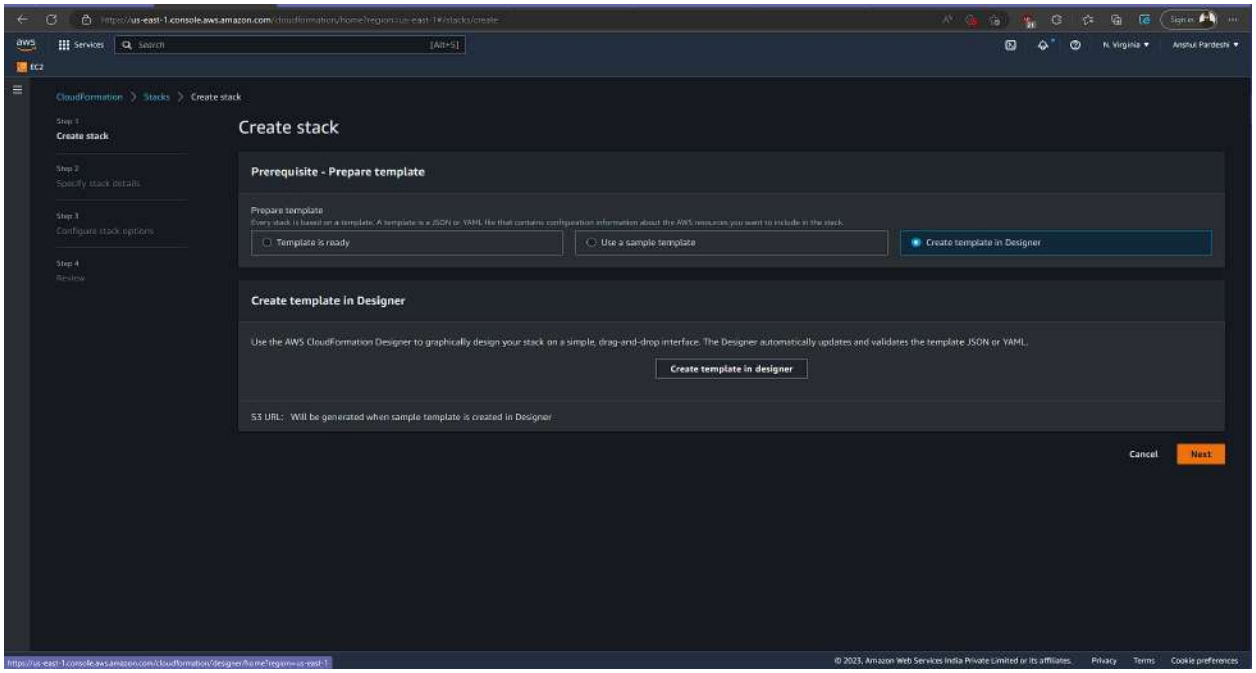
You have been asked to:

1. Create a template with 1 VPC and 1 Public Subnet
2. Launch an Amazon Linux EC2 instance in the public subnet and tag the instance as “CFinstance”.

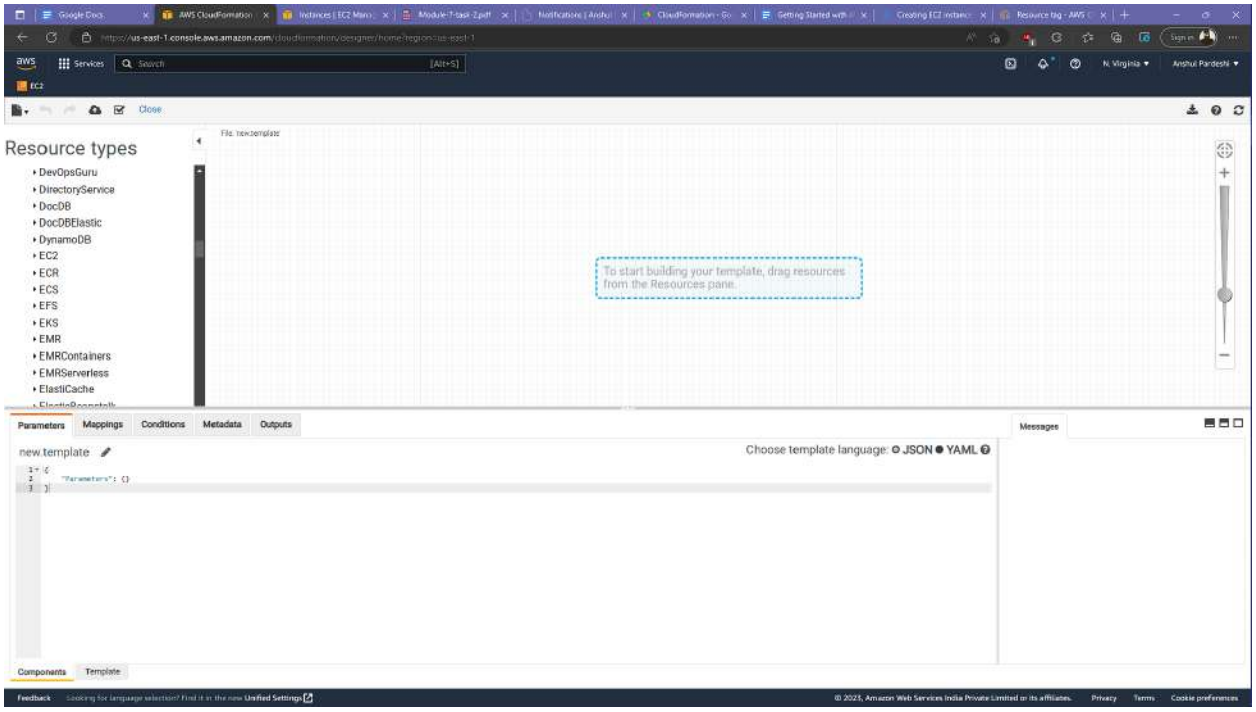
Go to the Cloud Formation dashboard and click on designer.



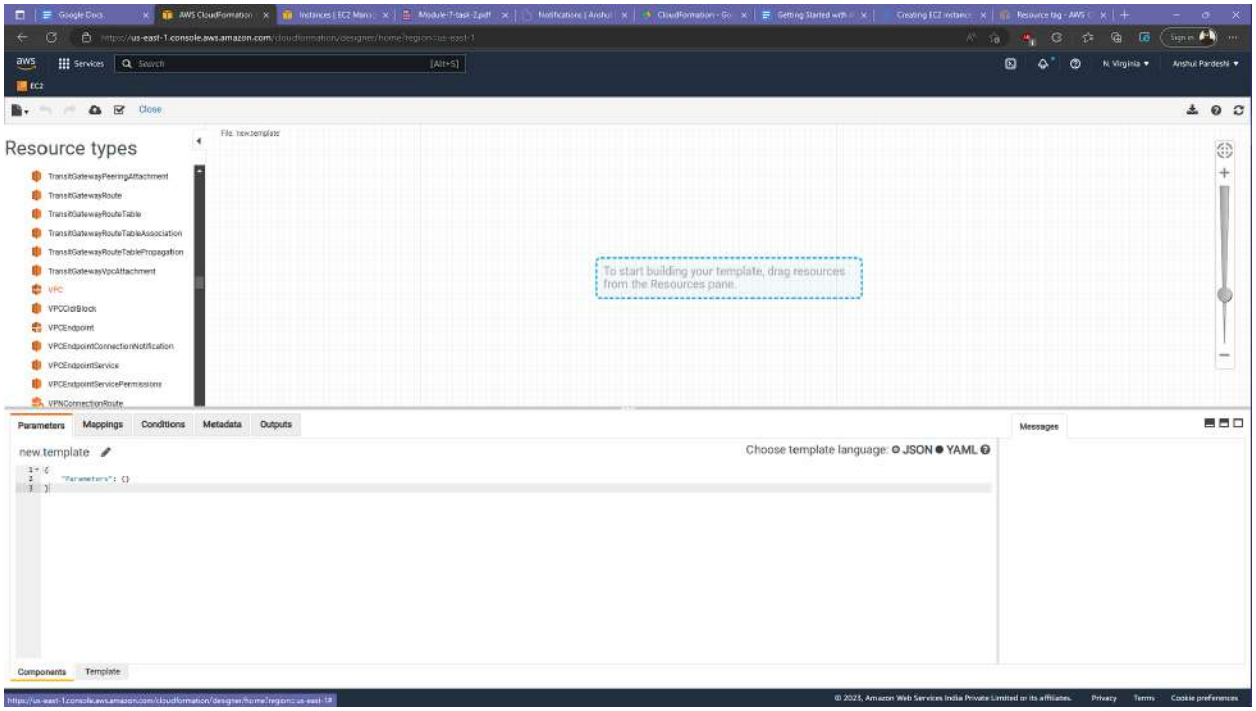
Choose create template in designer.



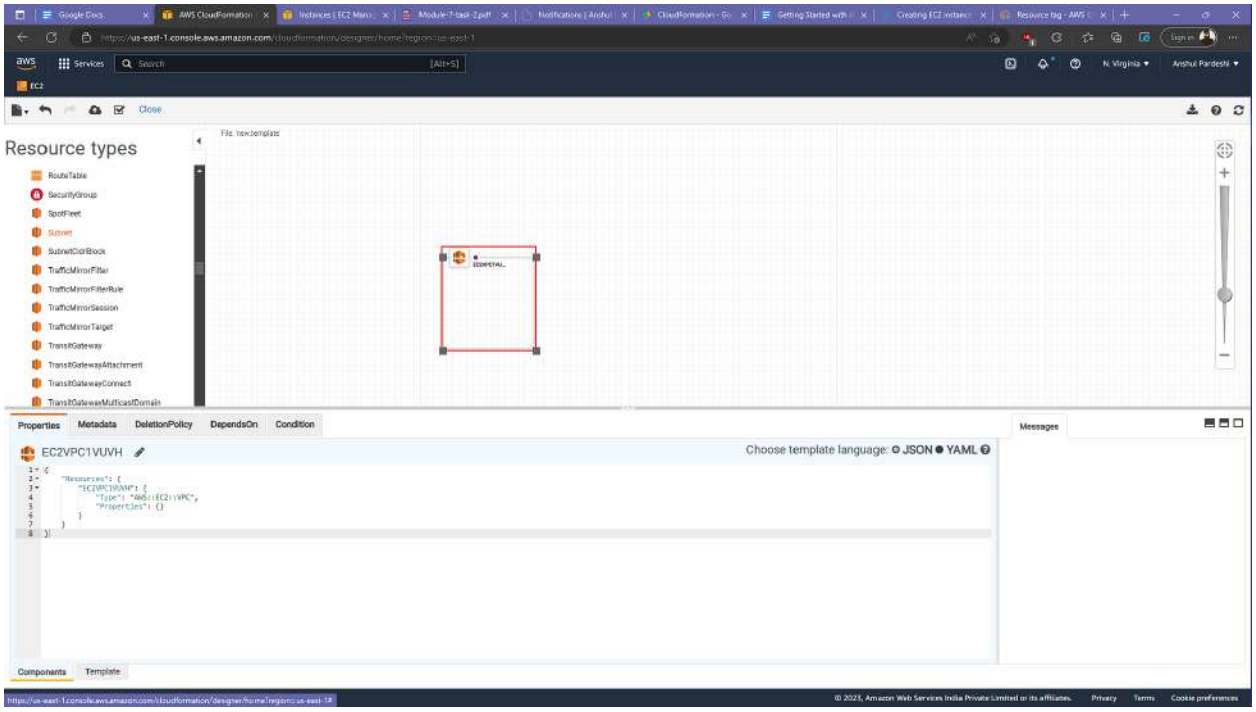
Go to Ec2 in resource types.



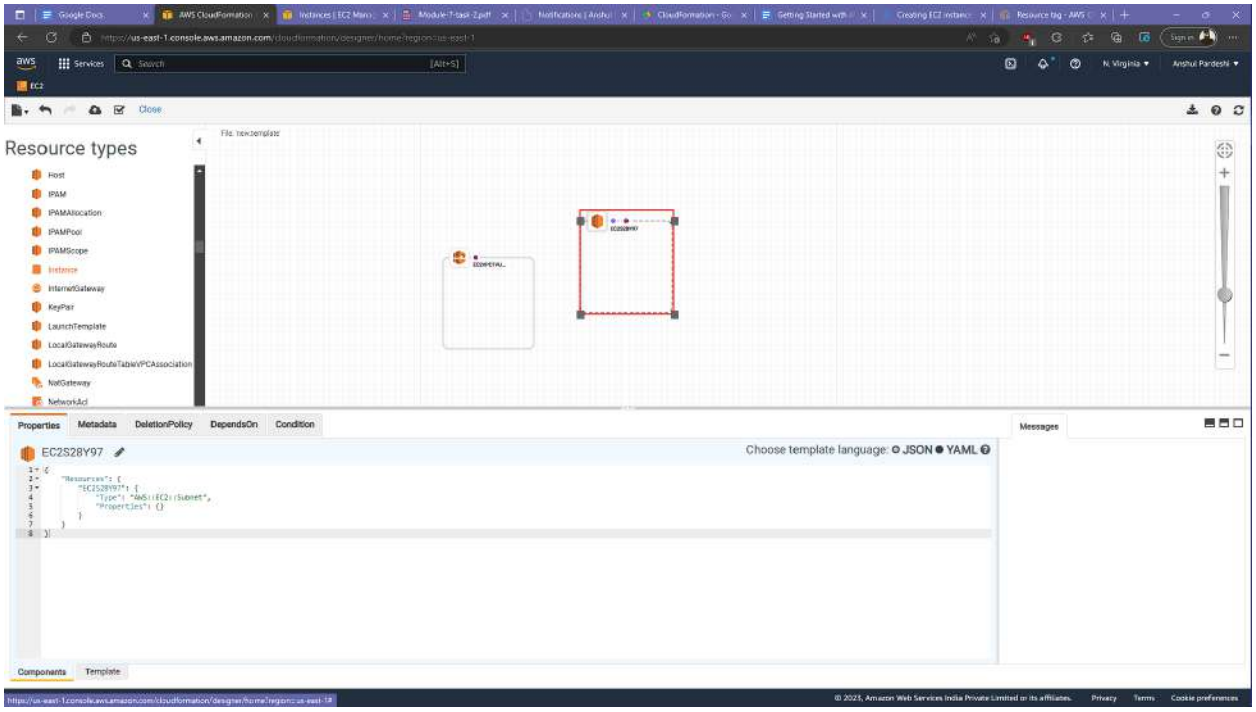
Drag and drop VPC.



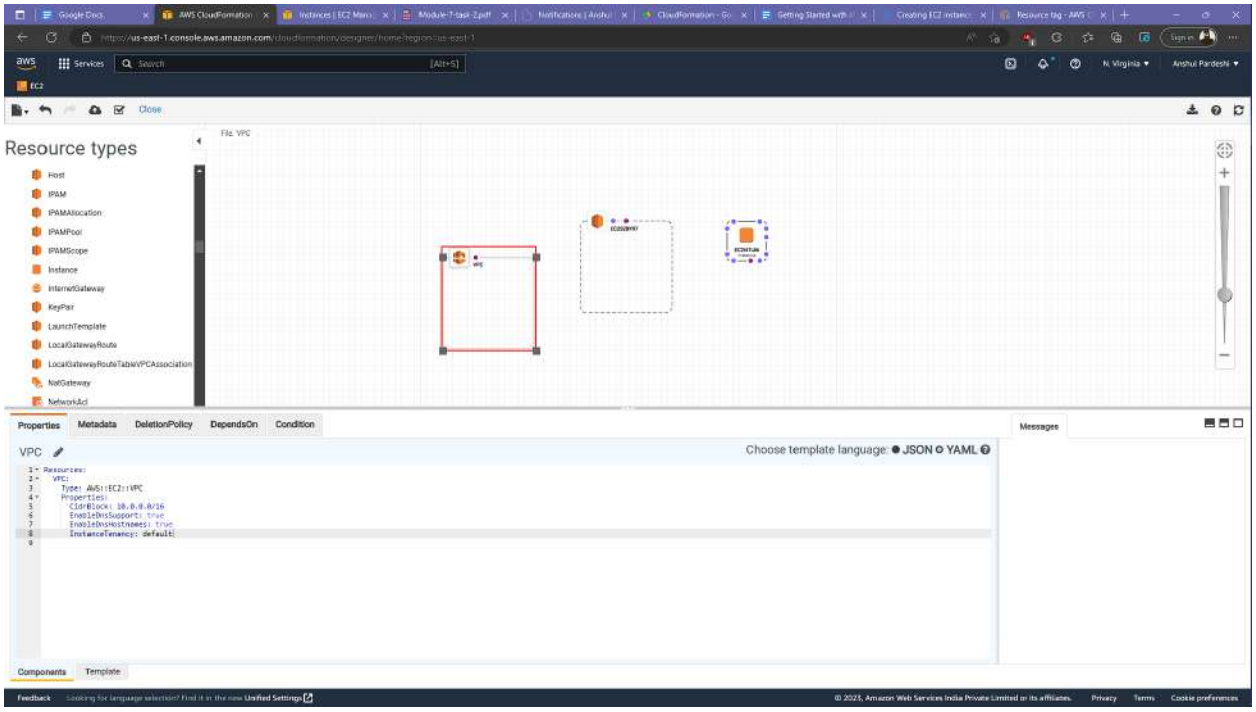
Drag and drop Subnet.



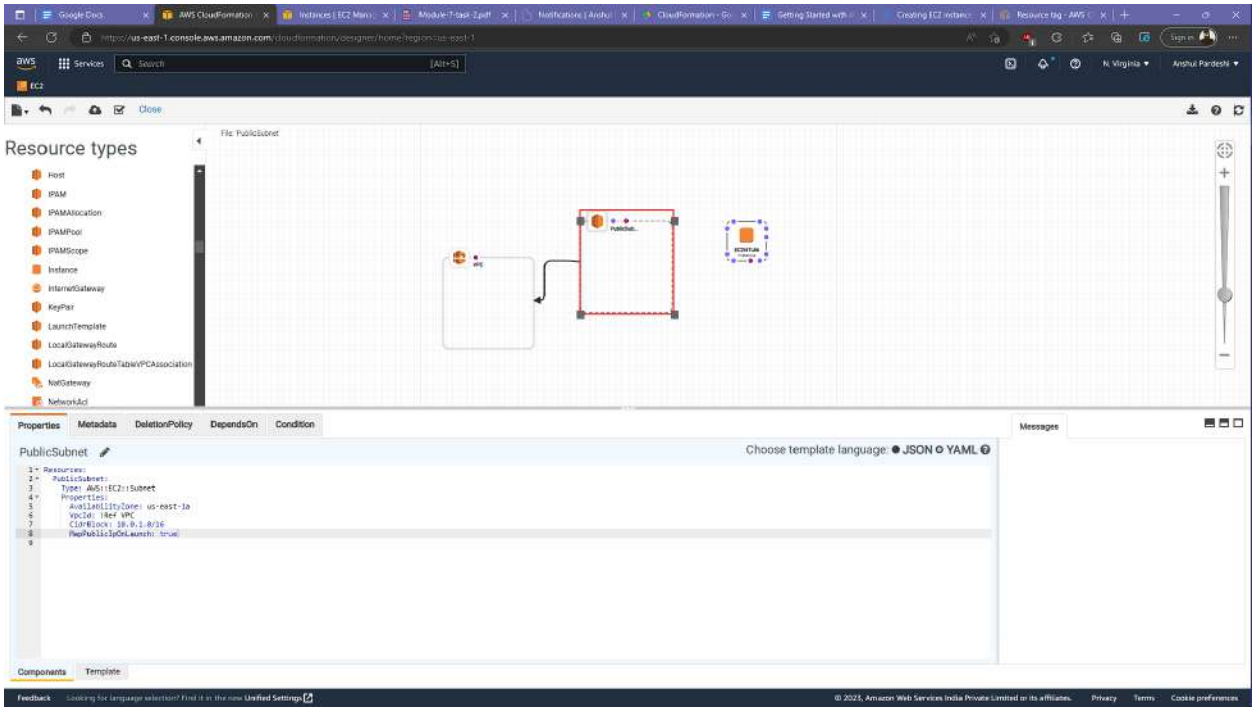
Drag and drop EC2.



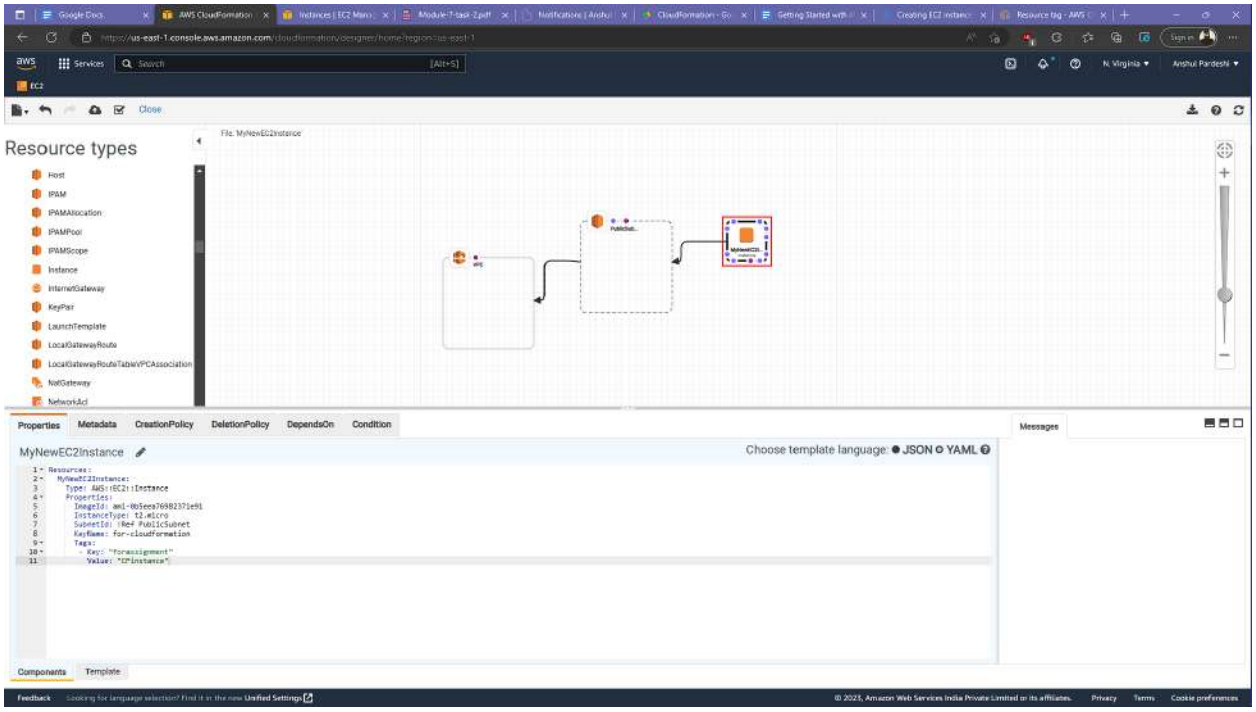
Select VPC and add properties as follows.



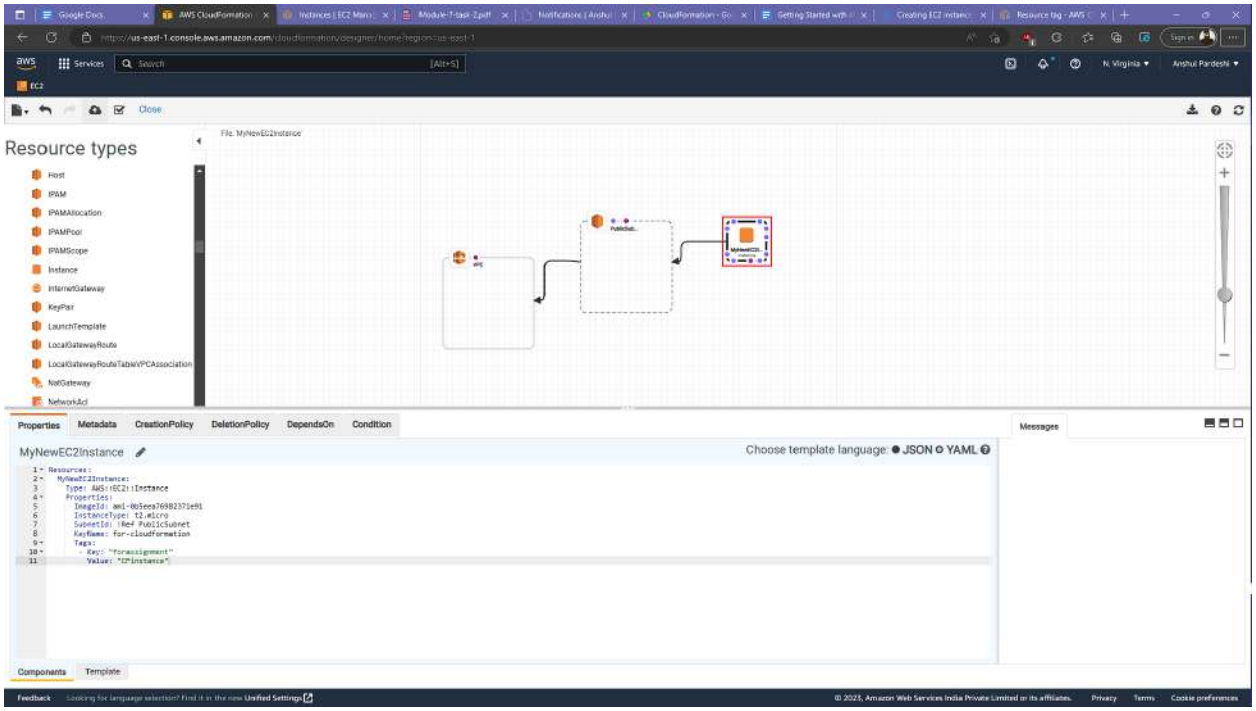
Select Subnet and add properties as follows.



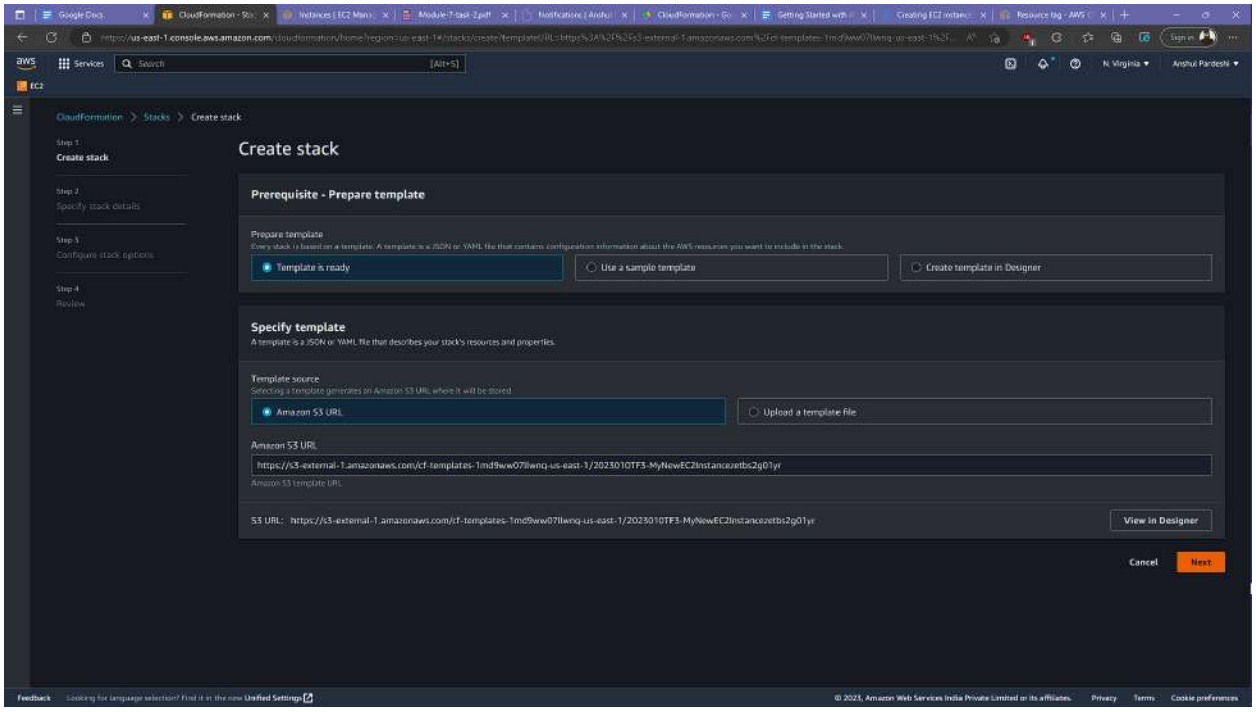
Select EC2 and add properties as follows. Tag as given as CFinstance.



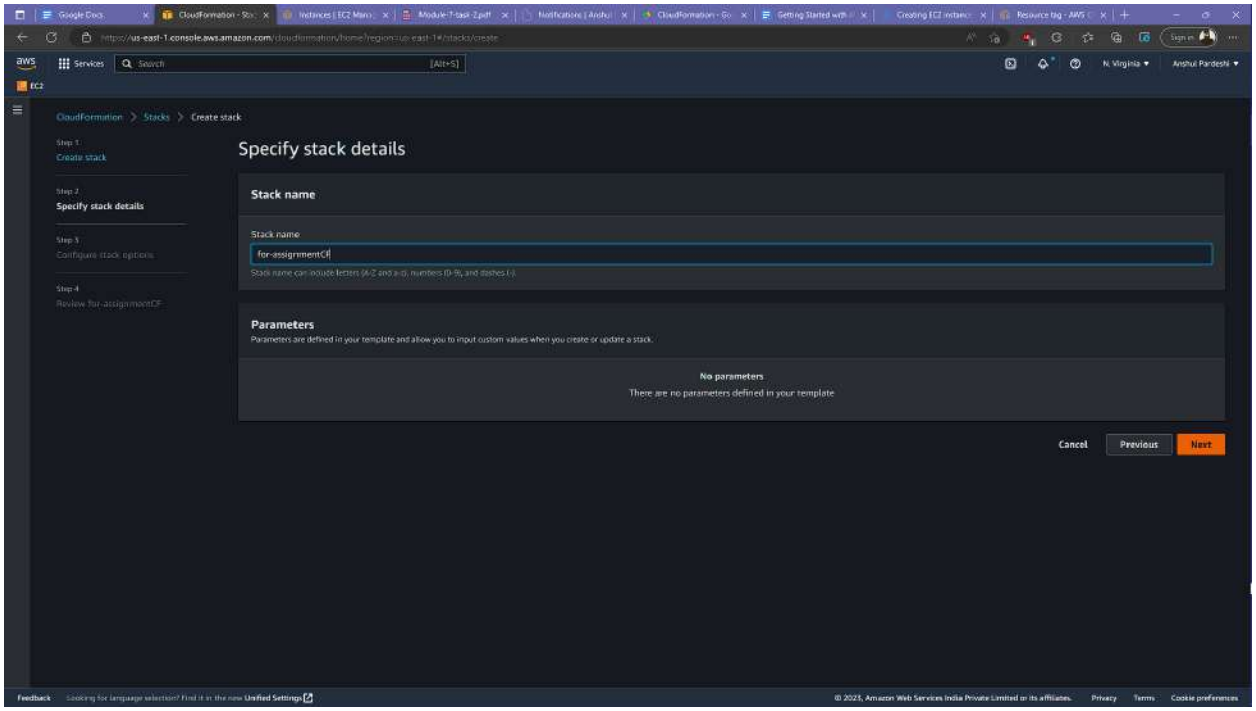
Create Stack.



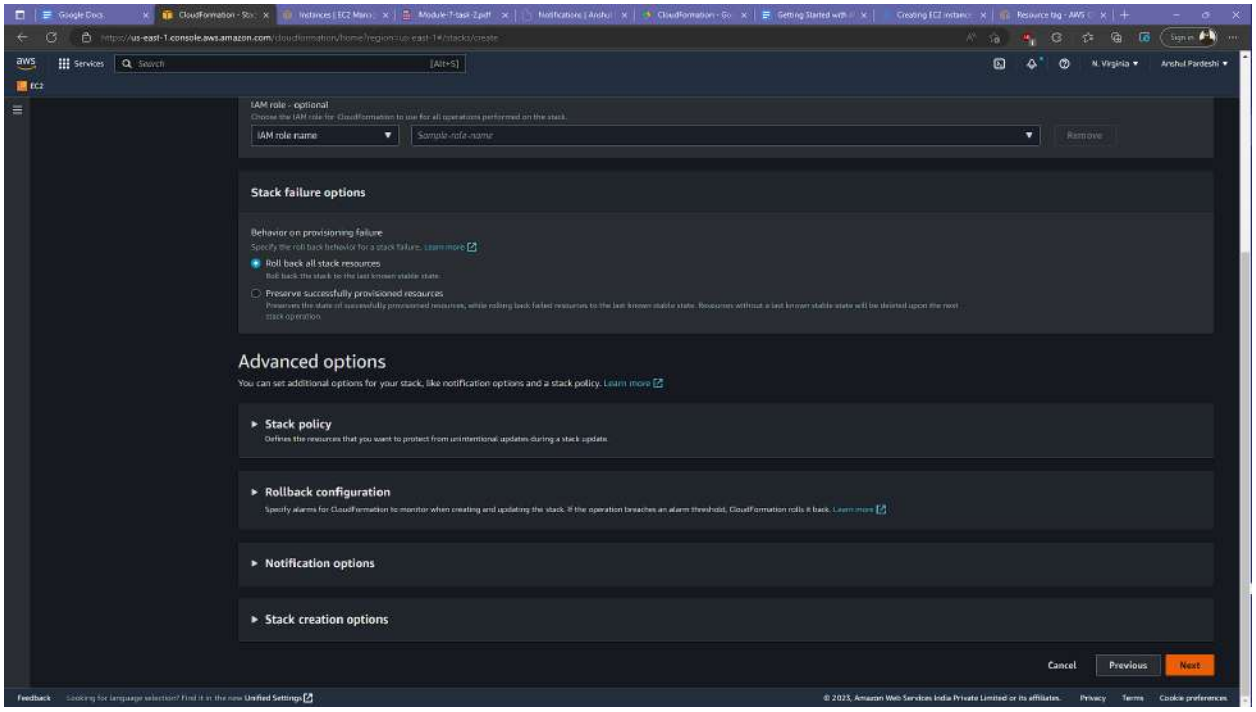
Next.



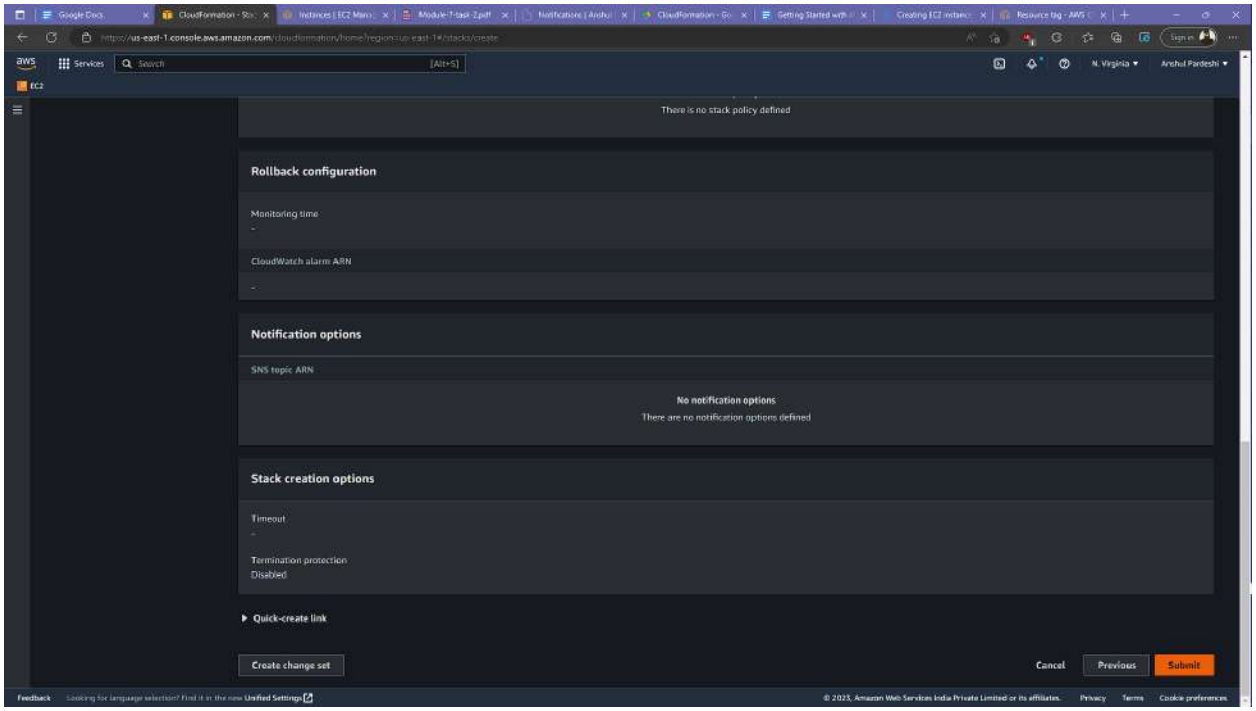
Give it a name.



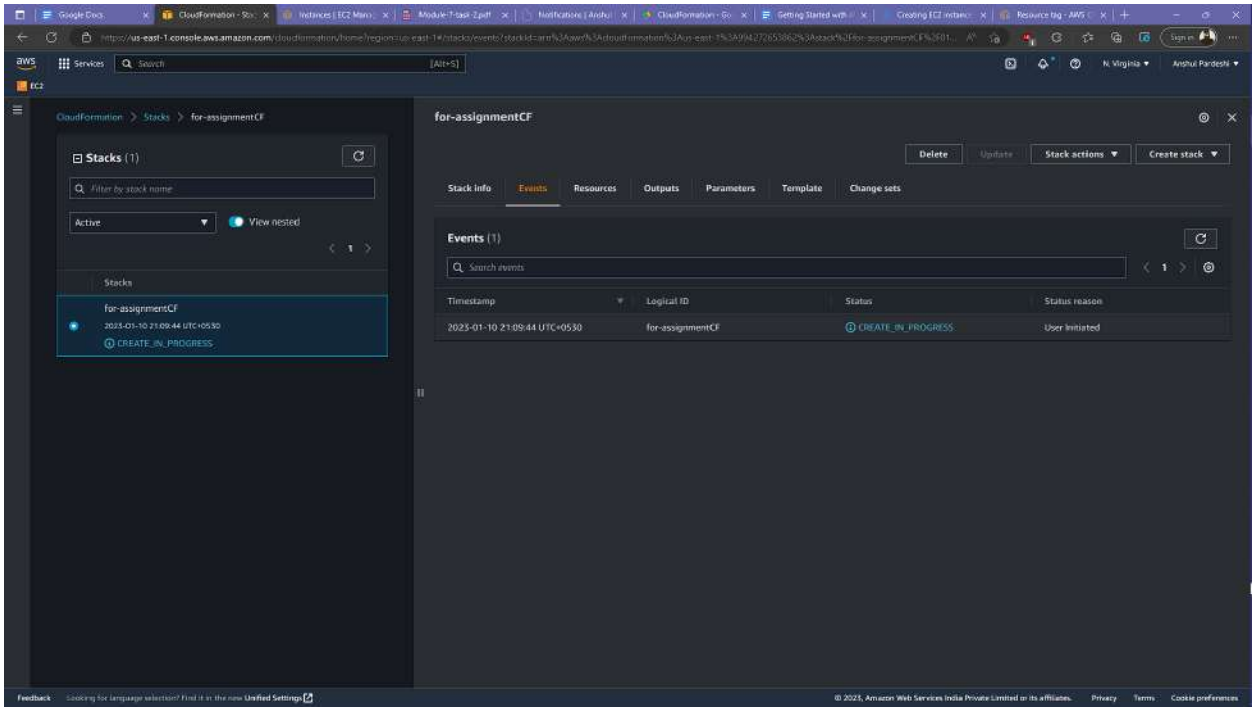
Next


IAM role - optional
IAM role name
Sample-role-name
Remove
Stack failure options
Behavior on provisioning failure
Roll back all stack resources
Preserve successfully provisioned resources
Advanced options
You can set additional options for your stack, like notification options and a stack policy.
Stack policy
Rollback configuration
Notification options
Stack creation options
Cancel
Previous
Next

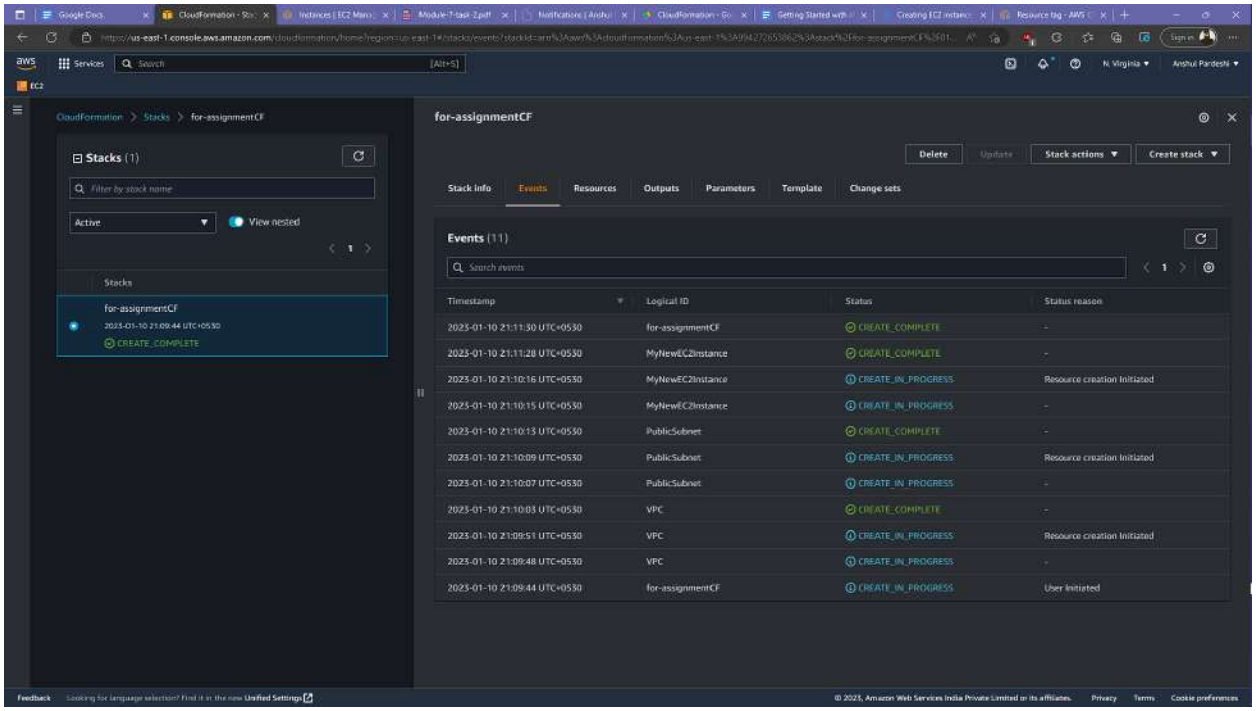
Submit


There is no stack policy defined
Rollback configuration
Monitoring time
CloudWatch alarm ARN
Notification options
SNS topic ARN
No notification options
There are no notification options defined
Stack creation options
Timeout
Termination protection
Disabled
Quick-create link
Create change set
Cancel
Previous
Submit

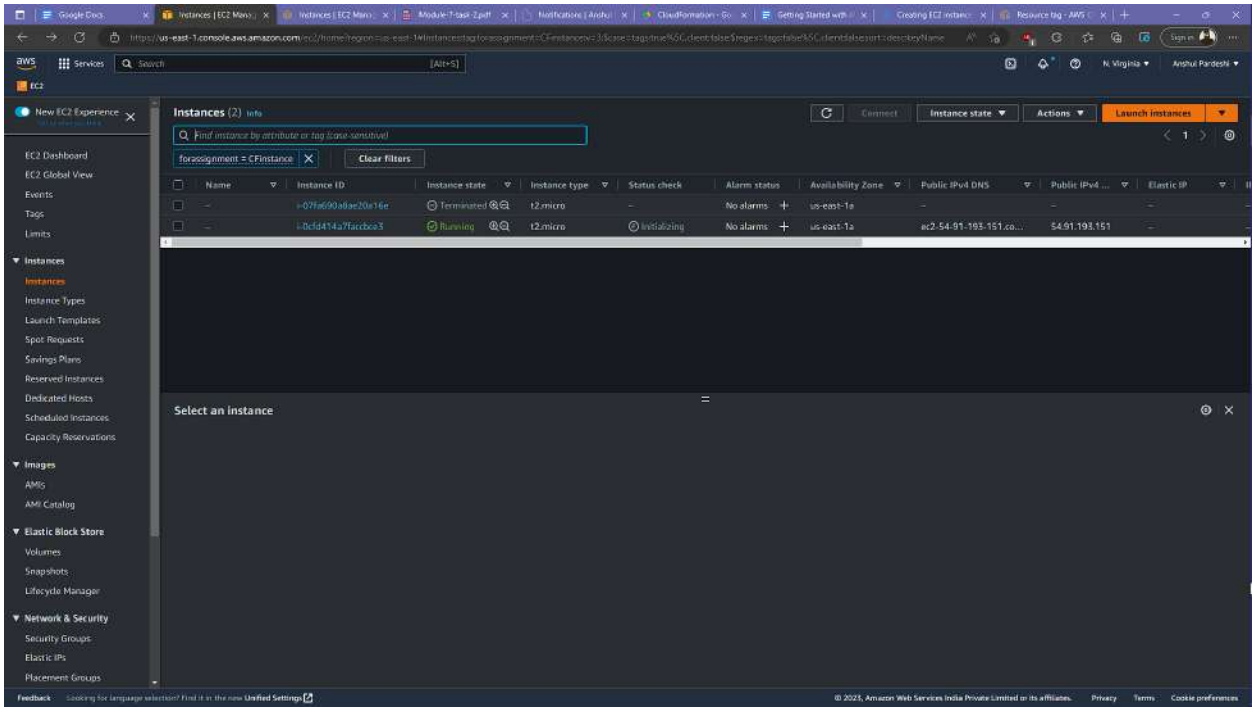
Wait for it.



Vpc, Subnet and ec2 instance in that subnet has been created.



This is the instance when filtered with a given keypair.



Complete YAML File:

```yaml
Resources:
  VPC:
    Type: AWS::EC2::VPC
    Properties:
      CidrBlock: 10.0.0.0/16
      EnableDnsSupport: true
      EnableDnsHostnames: true
      InstanceTenancy: default
  PublicSubnet:
    Type: AWS::EC2::Subnet
    Properties:
      AvailabilityZone: us-east-1a
      VpcId: !Ref VPC
      CidrBlock: 10.0.1.0/16
      MapPublicIpOnLaunch: true
  MyNewEC2Instance:
    Type: AWS::EC2::Instance
    Properties:
      ImageId: ami-0b5eea76982371e91
      InstanceType: t2.micro
      SubnetId: !Ref PublicSubnet
      KeyName: for-cloudformation
      Tags:
       - Key: "forassignment"
         Value: "CFinstance"
```