**Cloud Native – CaseStudy project** - ilan

AzureCosmoDB API for mongodb

Graphical user interface, text, application, email

Description automatically generated

Execute – node index.js

Postman testing – local host

Graphical user interface, text, application, email

Description automatically generated

**Angular app local run - localhost**

Graphical user interface, website

Description automatically generated

Azure repos

Git add .

Git commit –m first

Git push -u origin master

A screenshot of a computer

Description automatically generated

Agent Pool-- nohup ./run.sh &

Graphical user interface, text, application, chat or text message, email

Description automatically generated

Docker daemon failed.

azureuser@LinuxVM1:~/myagent$ sudo usermod -aG docker $USER

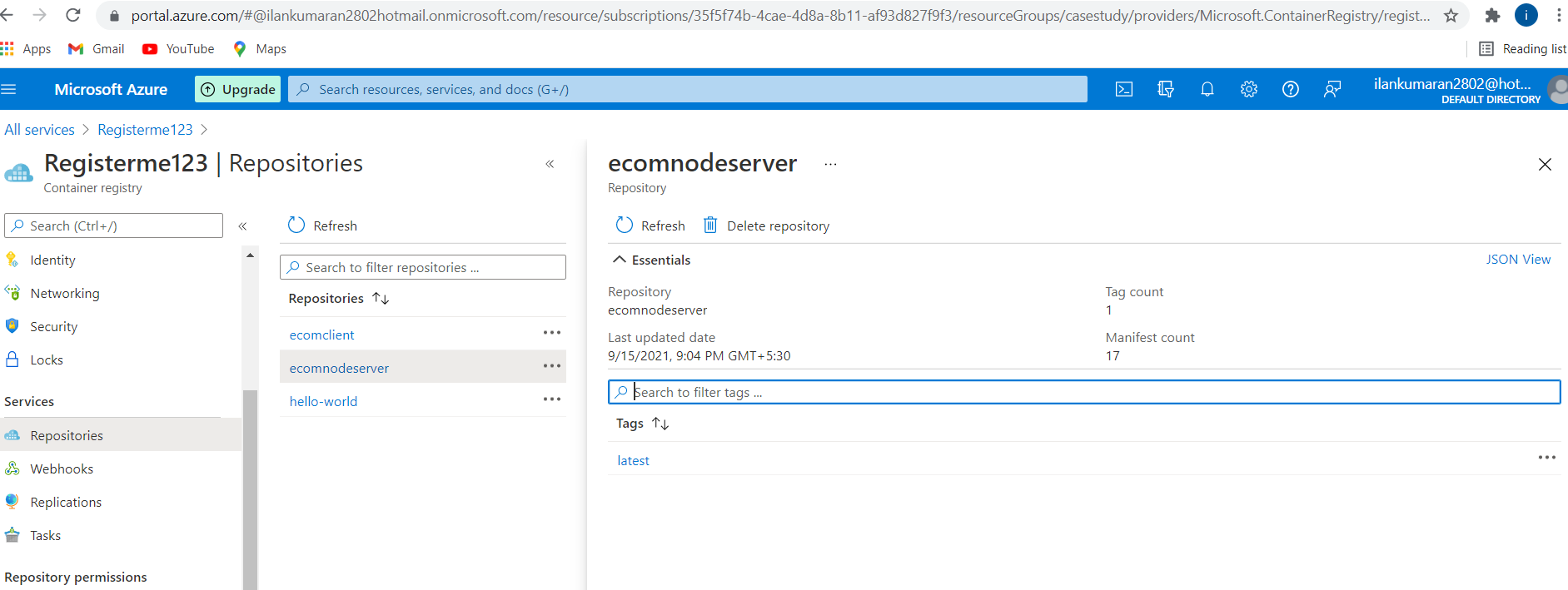
azureuser@LinuxVM1:~/myagent$ sudo chown $USER:docker /var/run/docker.sock

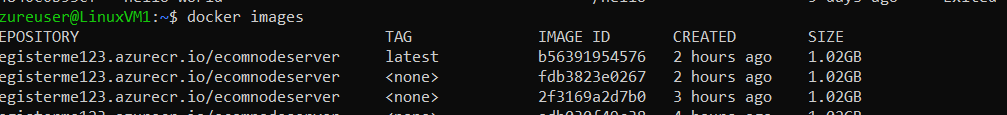
azure repo CI CD NodeJS pipeline

Graphical user interface, application

Description automatically generated

**Docker registry – containerise app**





AkS services - kubernetes

Graphical user interface, text, application, email

Description automatically generated

Kubectl get services – external ip results

A picture containing calendar

Description automatically generated

Static web app deploy

Graphical user interface, application, email

Description automatically generated

YAML to deploy in static web deploy

trigger:

- master

pool:

  name: ownpool

  vmImage: linuxagent

steps:

- task: NodeTool@0

  inputs:

    versionSpec: '14.x'

  displayName: 'Install Node.js'

- script: |

    npm install -g @angular/cli

    npm install

    ng build --prod

  displayName: 'npm install and build'

- task: AzureStaticWebApp@0

  inputs:

      app\_location: "/"

      api\_location: "api"

      output\_location: "dist/organic-client"

  env:      azure\_static\_web\_apps\_api\_token: $(deployment\_token1)

AZURE BLOB STORAGE :

Graphical user interface, text, application, email

Description automatically generated

AZURE API MANAGEMENT

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generated

AKS service as API management – post man test

Graphical user interface, text, application, email

Description automatically generated

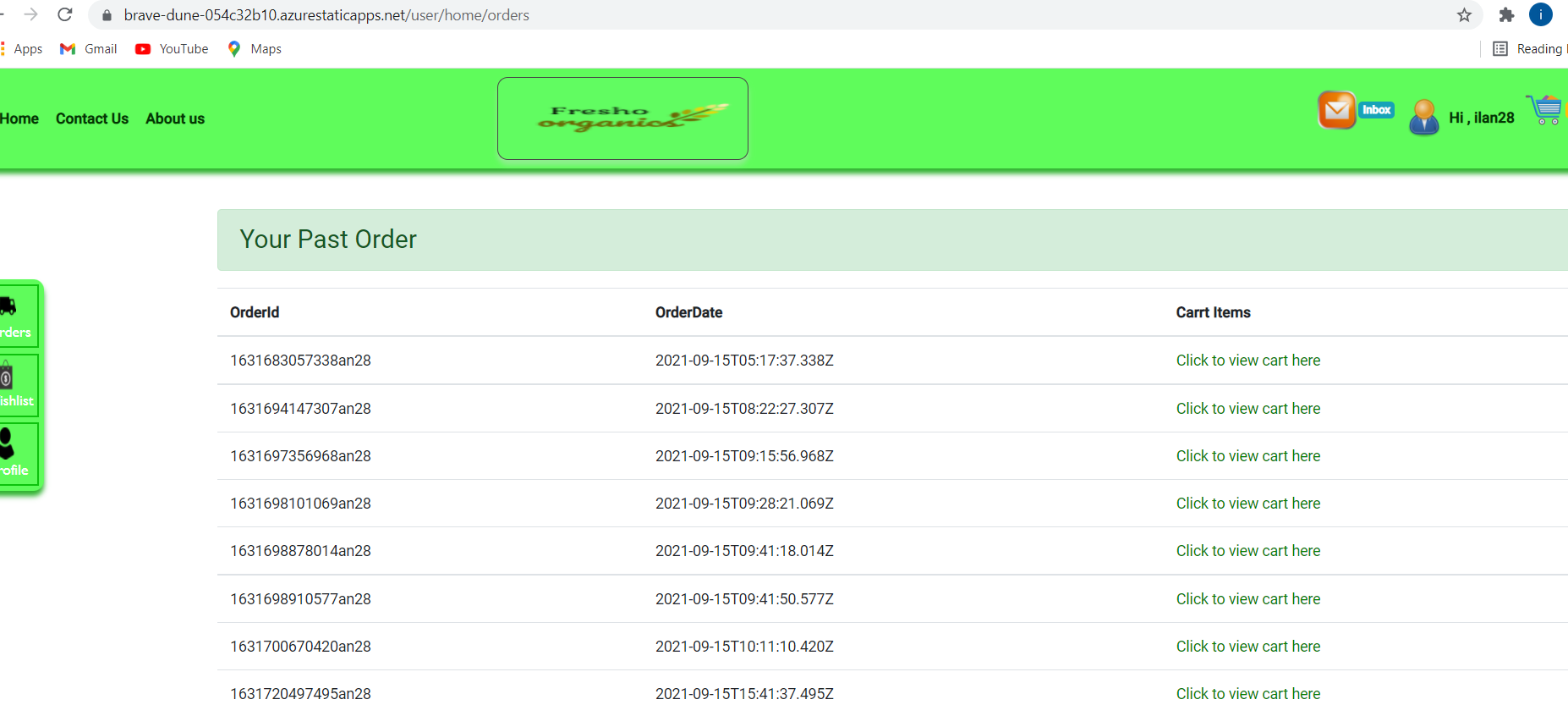
Angular UI – static web running app--- Graphical user interface, application

Description automatically generated

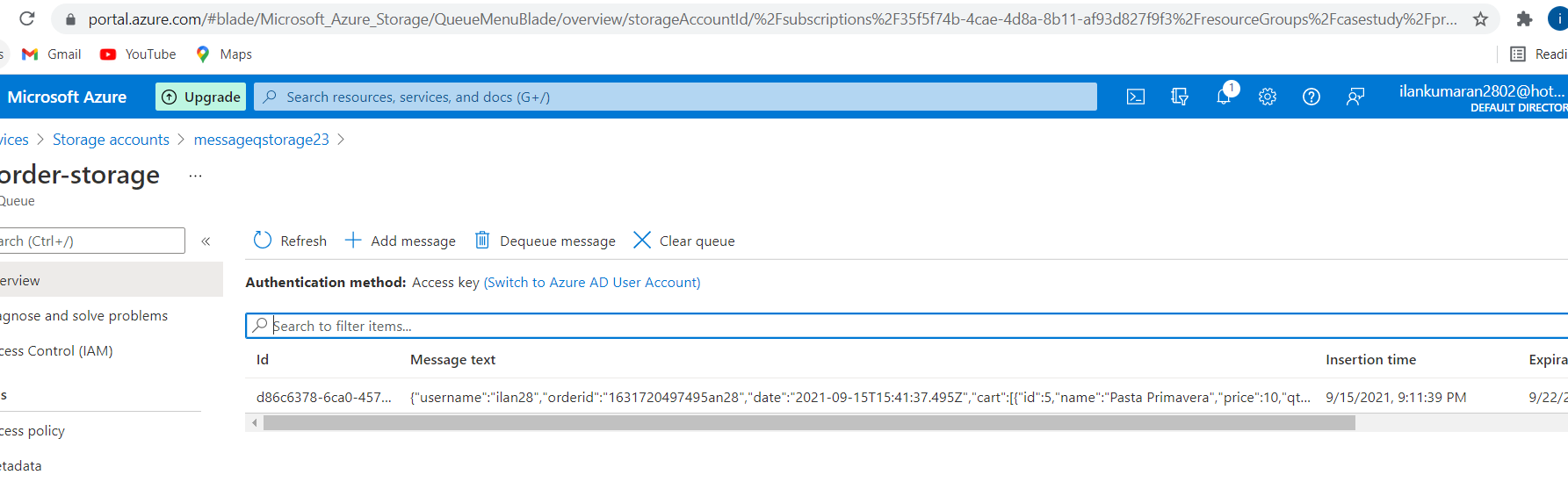
[OrganicClient (brave-dune-054c32b10.azurestaticapps.net)](https://brave-dune-054c32b10.azurestaticapps.net/login)

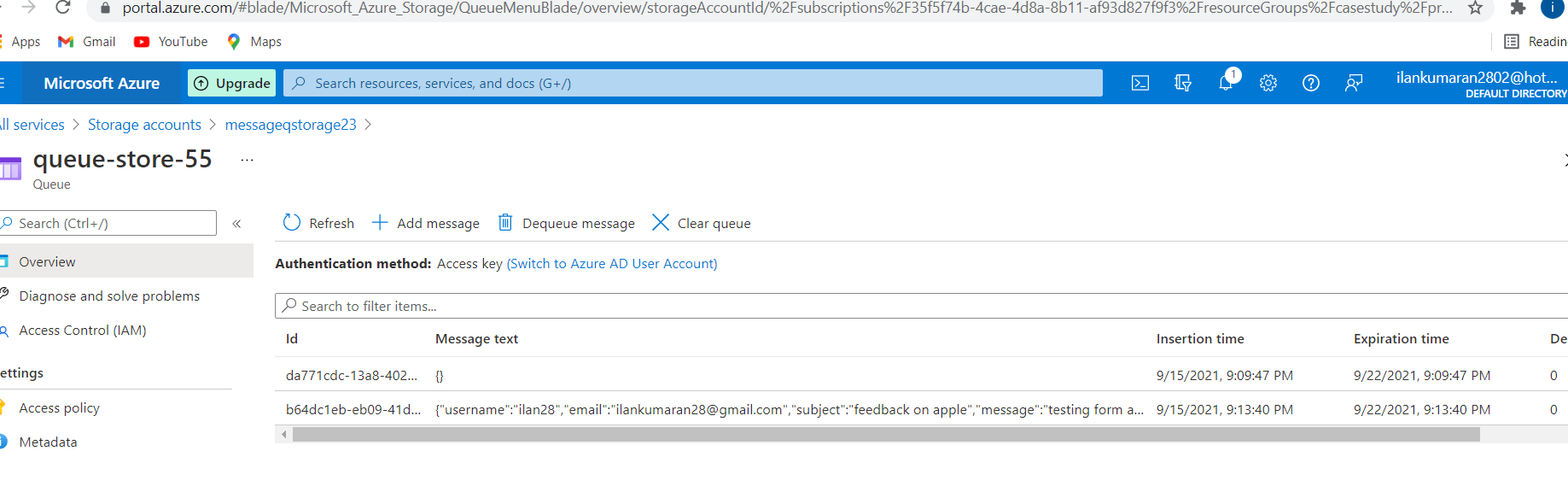
Graphical user interface

Description automatically generated with medium confidence



**Storage Queue trigger :**





LOGIC APP – send email

