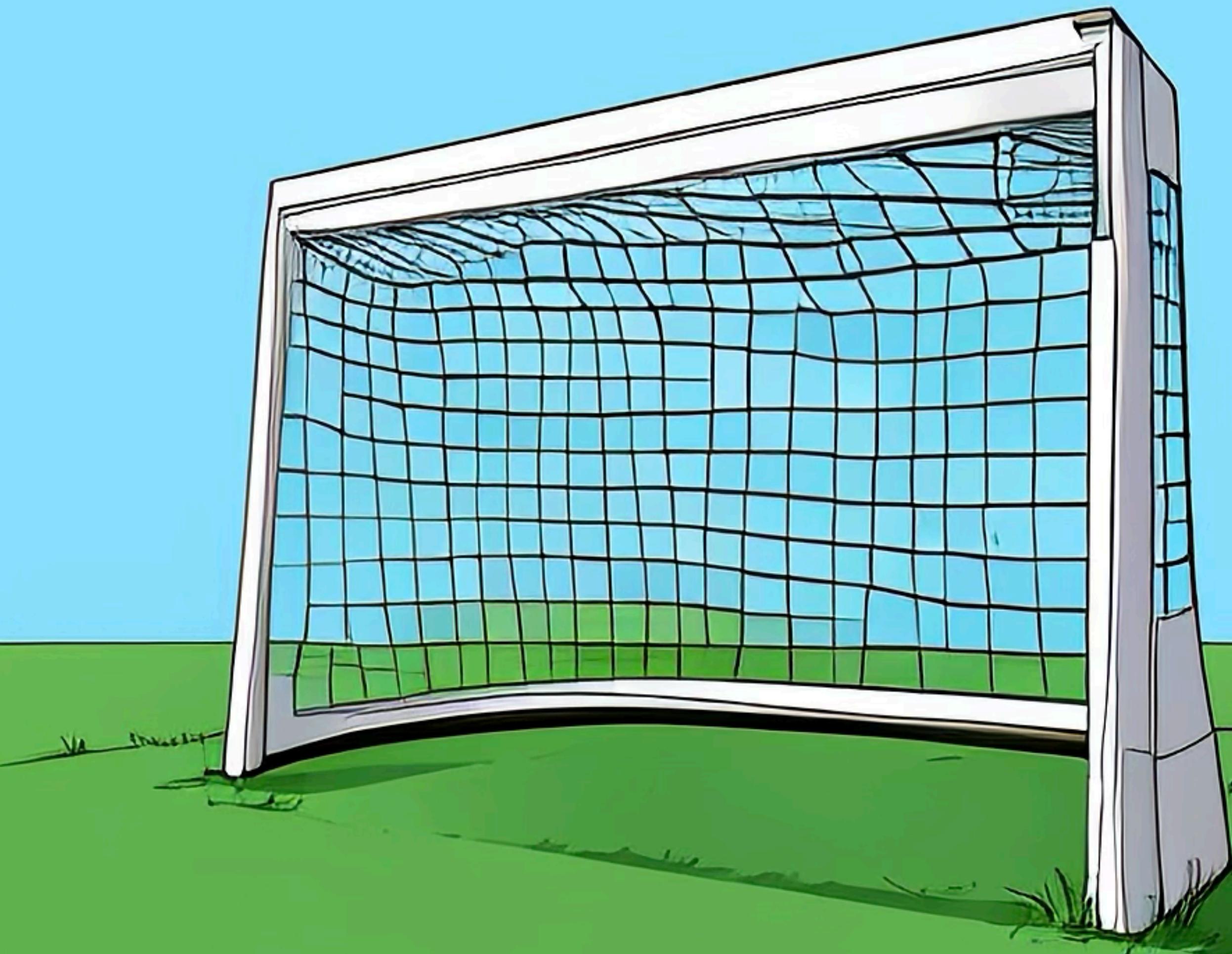


# Deployment

Section Fifteen

The goal of this  
section



To deploy our existing project to docker  
compose running on our dev machine

To publish the application to a VM  
running docker on a Linux machine on  
the internet (optional)

To publish the application to Azure  
Containers Environment (very optional)

# Deployment demonstrations

Local deployment

\$0 Local dev/testing

Digital Ocean deployment

\$24 Demo deployment & dev/testing

Azure deployment

~\$100 Production apps

# Digital Ocean deployment



# Digital Ocean deployment CI/CD



docker-compose.yml



- Install dotnet + aspire
- Create .env.production from GH secrets
- Publish aspire app using CLI
- Deploy container images to DockerHub
- Upload docker compose to Linux Digital ocean machine
- SSH and run docker compose up -d



# Azure deployment



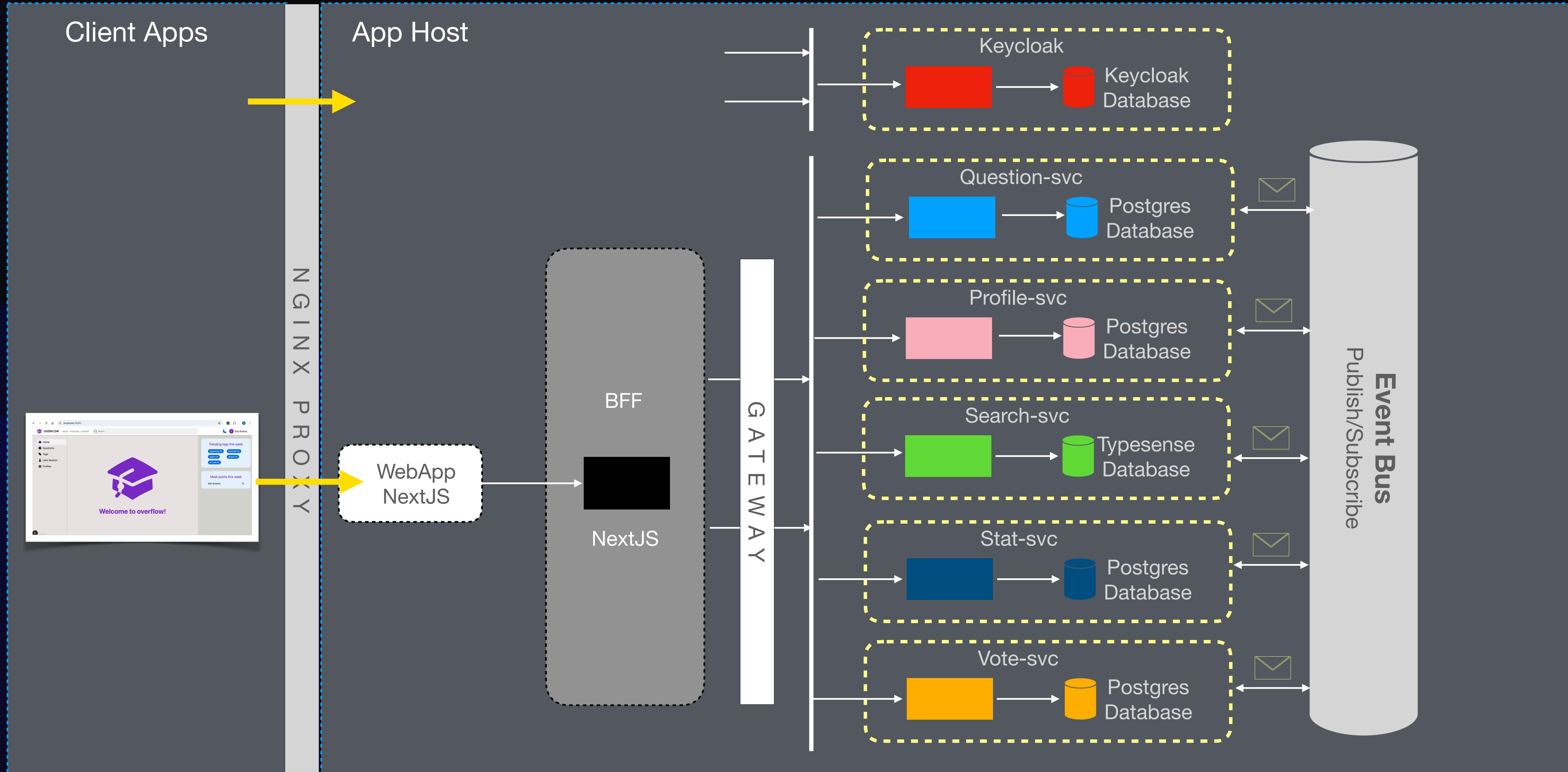
# Azure deployment customization

- azd infra gen
  - Generates bicep files that represent the infrastructure
- Can configure:
  - Resource configuration (SKUs and sizes, scaling rules)
  - Networking
  - Env variables and secrets
  - Identity and security
  - Storage and DB provisioning

Lets begin

# End of course summary!

# Overflow Architecture



CONGRATULATIONS



# Where next?

Bonus content?

Extend

Responsive

# Other challenges

Mobile

Build something  
new

Thank you and good luck!