



AI-Health-Coach

Distributed Systems Challenge Task By Fabrice Bosshard and Dario Berther

Agenda



- Vision
- Architecture
- Application
- Demonstration
- Future Features

Vision

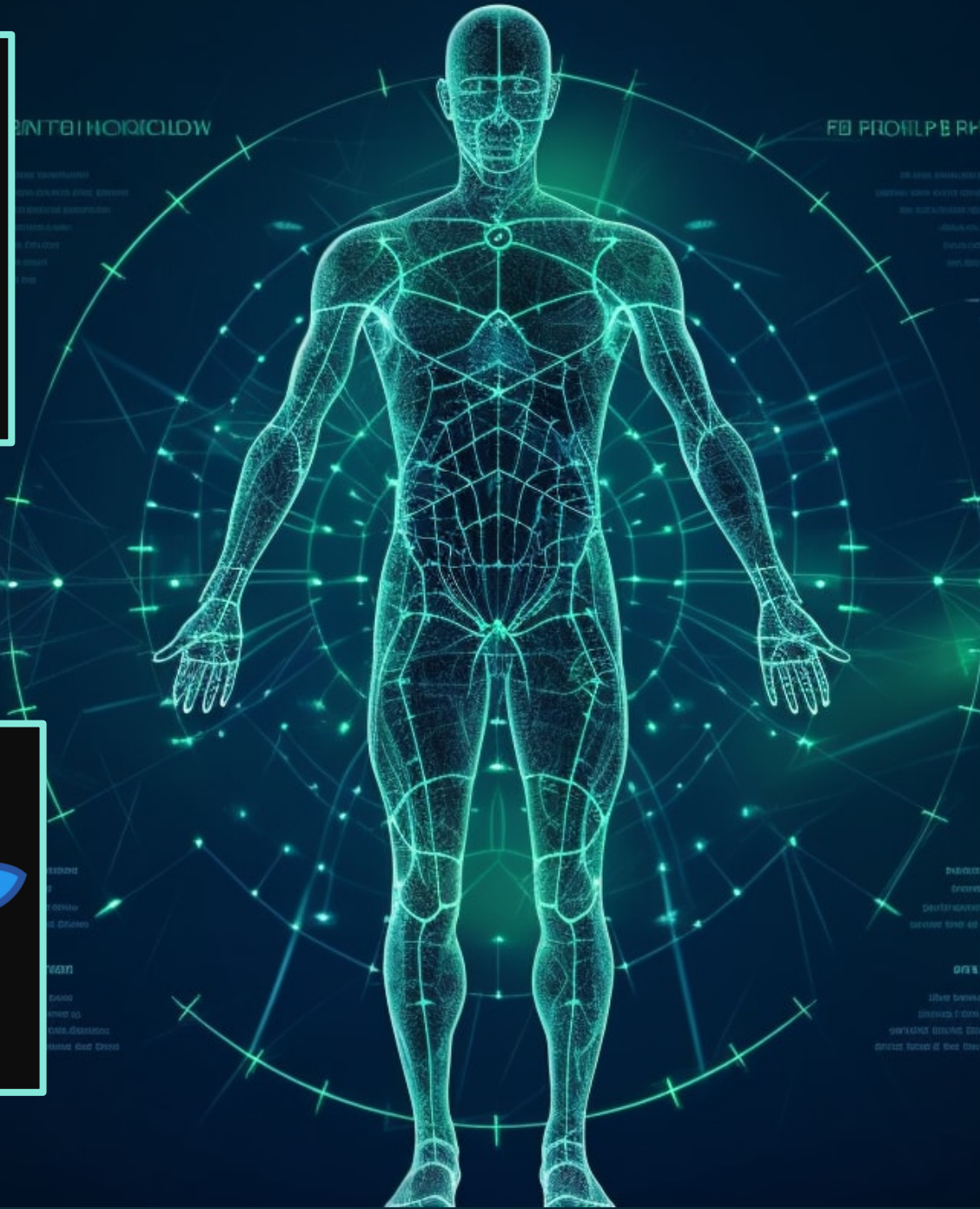
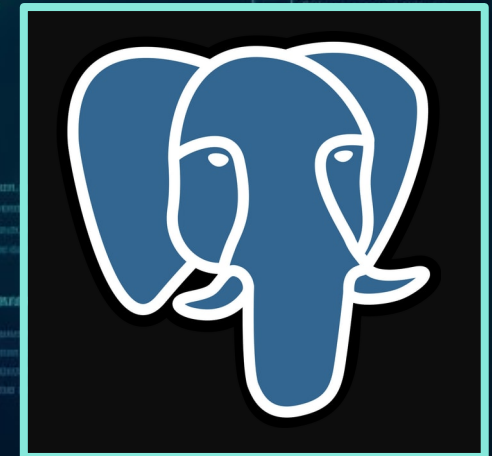
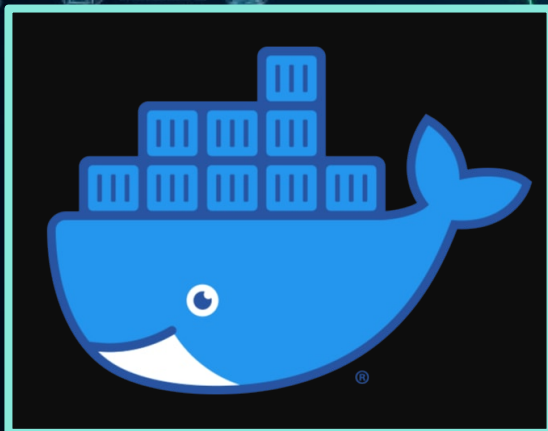


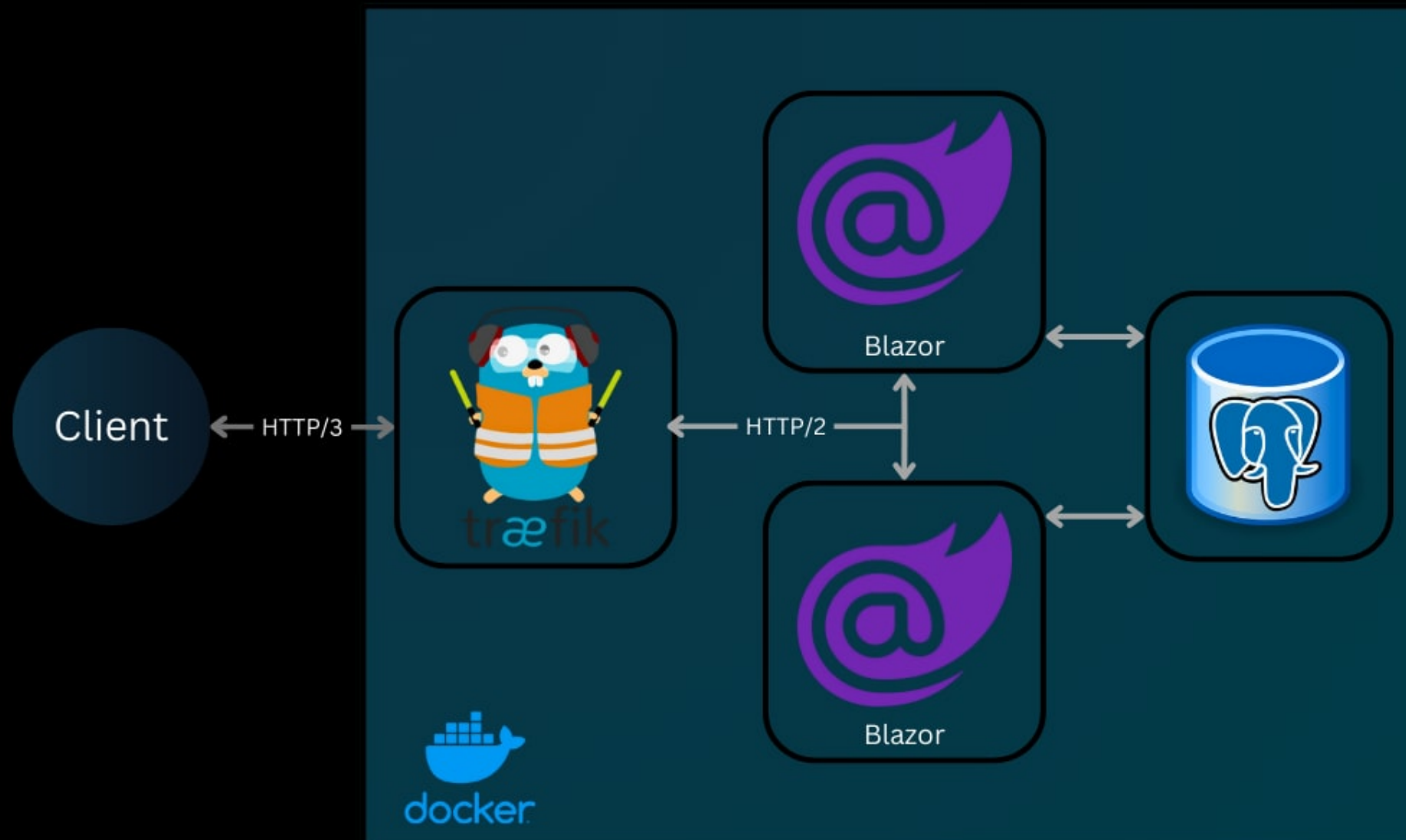
- Fitness and Wellbeing
 - Meal Planner
 - Workout Planner



- OpenAI API
 - Use power of gpt models
 - Generate personalised content







Architecture



- Docker
 - Docker compose
 - Dockerfile for Blazor
- Traefik
 - Startup
 - HTTP/3
 - Sticky Sessions & WebSockets
- Blazor
 - Hosting Model (Blazor Server)
 - C#, .NET Ecosystem
- Database
 - Postgres
 - Entity Framework
 - Code First

Application



- User Creation
 - Important Parameters
- Routine Creation
 - Routine Type
 - Special Requirements
- Routine Details
 - Week Plan
 - Failover
- GPT 3.5 Turbo
 - Speed
 - Accuracy
 - OpenAI Framework



Demonstrati on

Future Features



- User Login
 - .NET Identity Framework
- Better filters
 - Preferences based on previous decisions
 - Meal sizes
- Security
 - SSL Termination
- Newer AI models
 - Better consistency
 - Bigger input and output sizes



Thanks for your attention!