



MUTRIVIA

Group T2316

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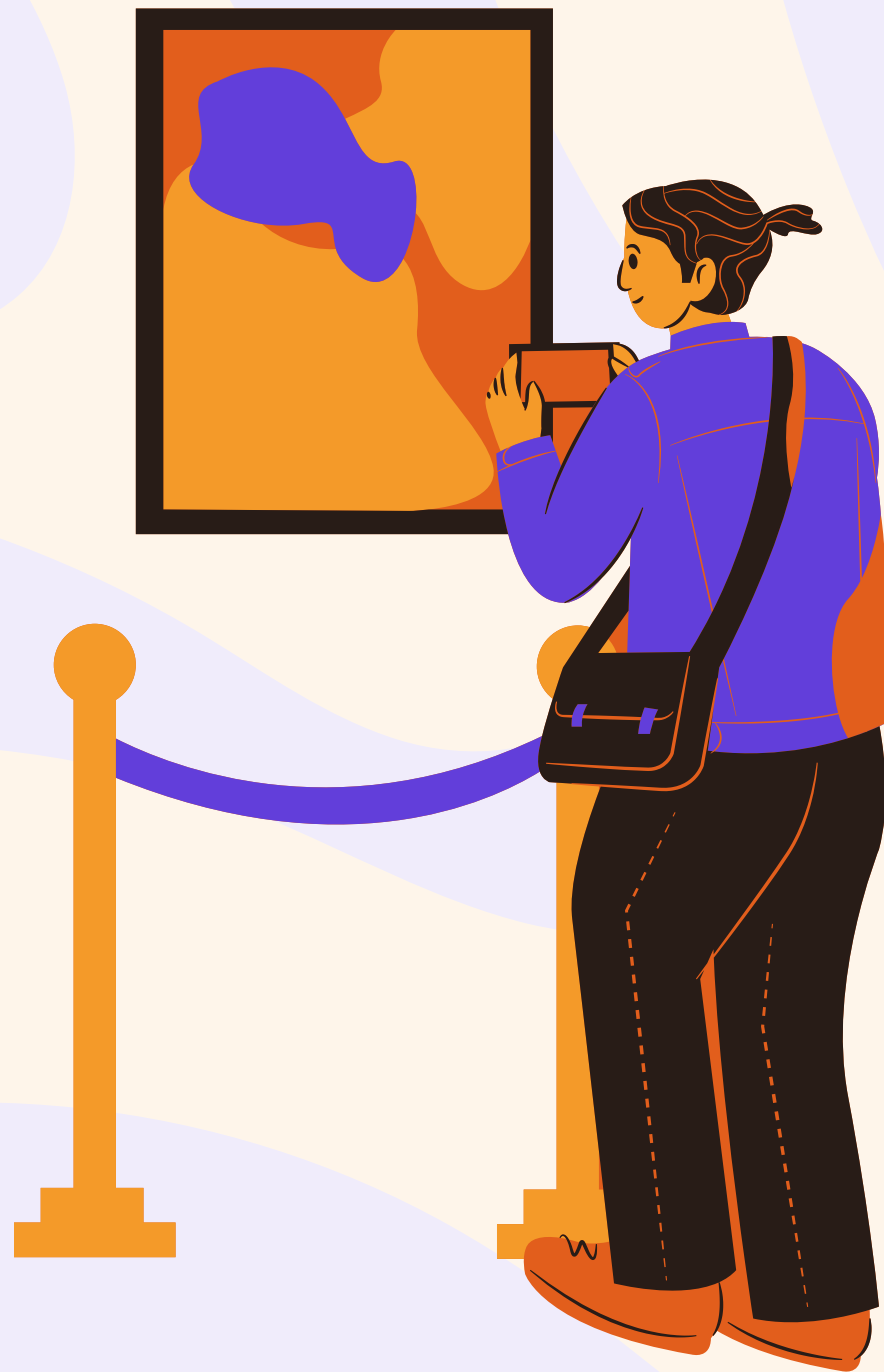
Bedirhan Sakinoğlu - 21802576

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We make museums enjoyable.

Problem



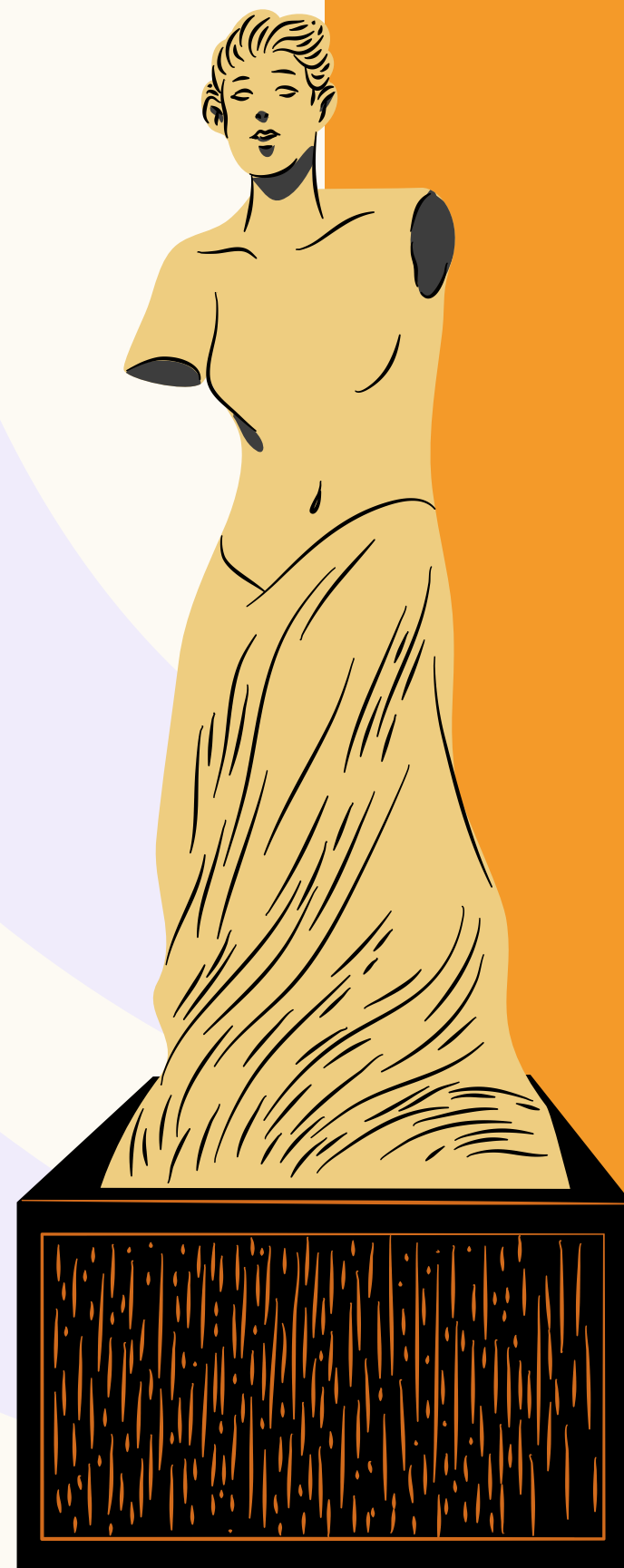
Lack of
engagement

Boring
museum
experience

Preserve
cultural
heritage

Solution

Gamification



Natural Language Processing

Software Architecture

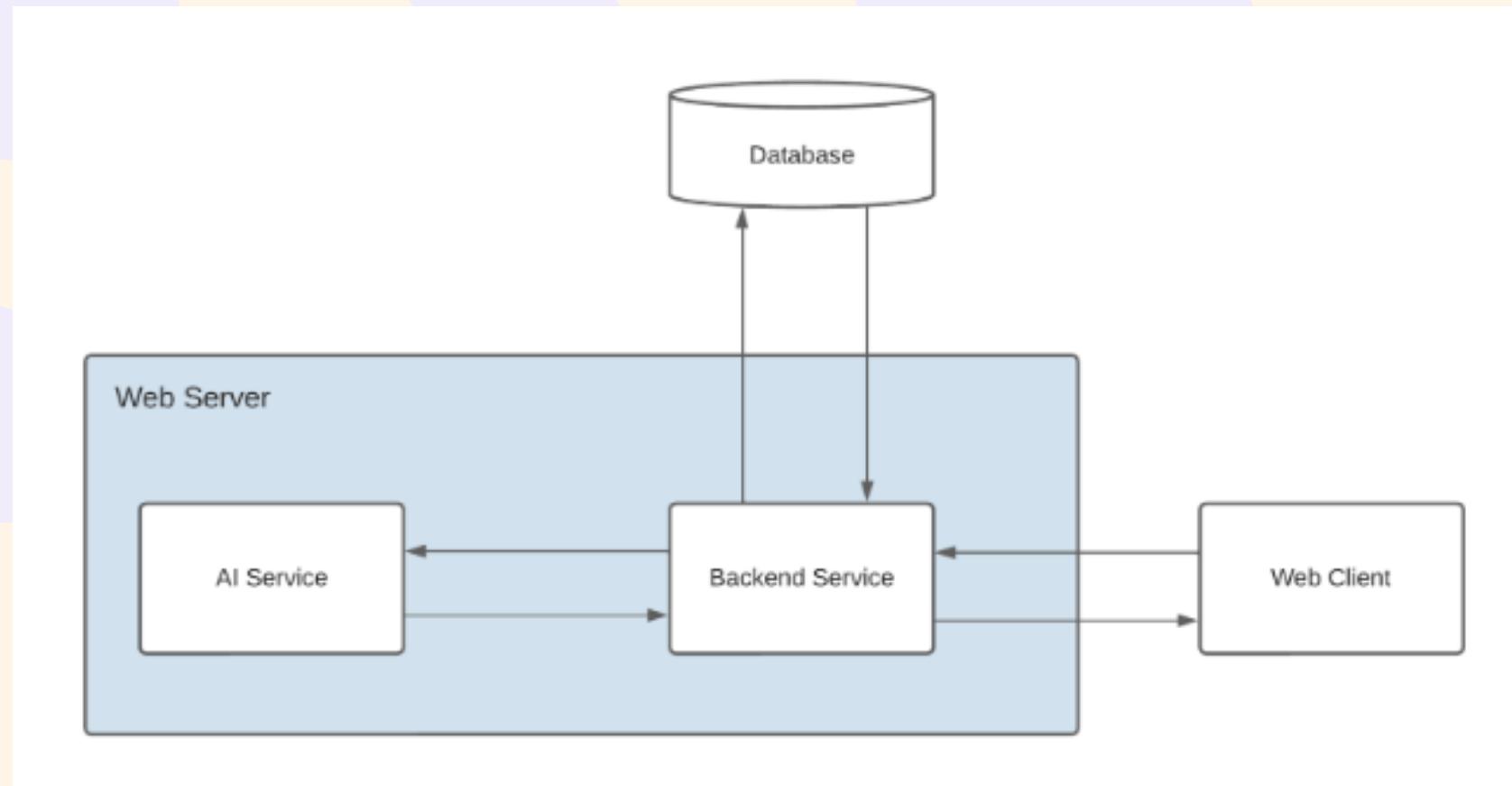


Figure 2: Architectural Overview of Mutrivia

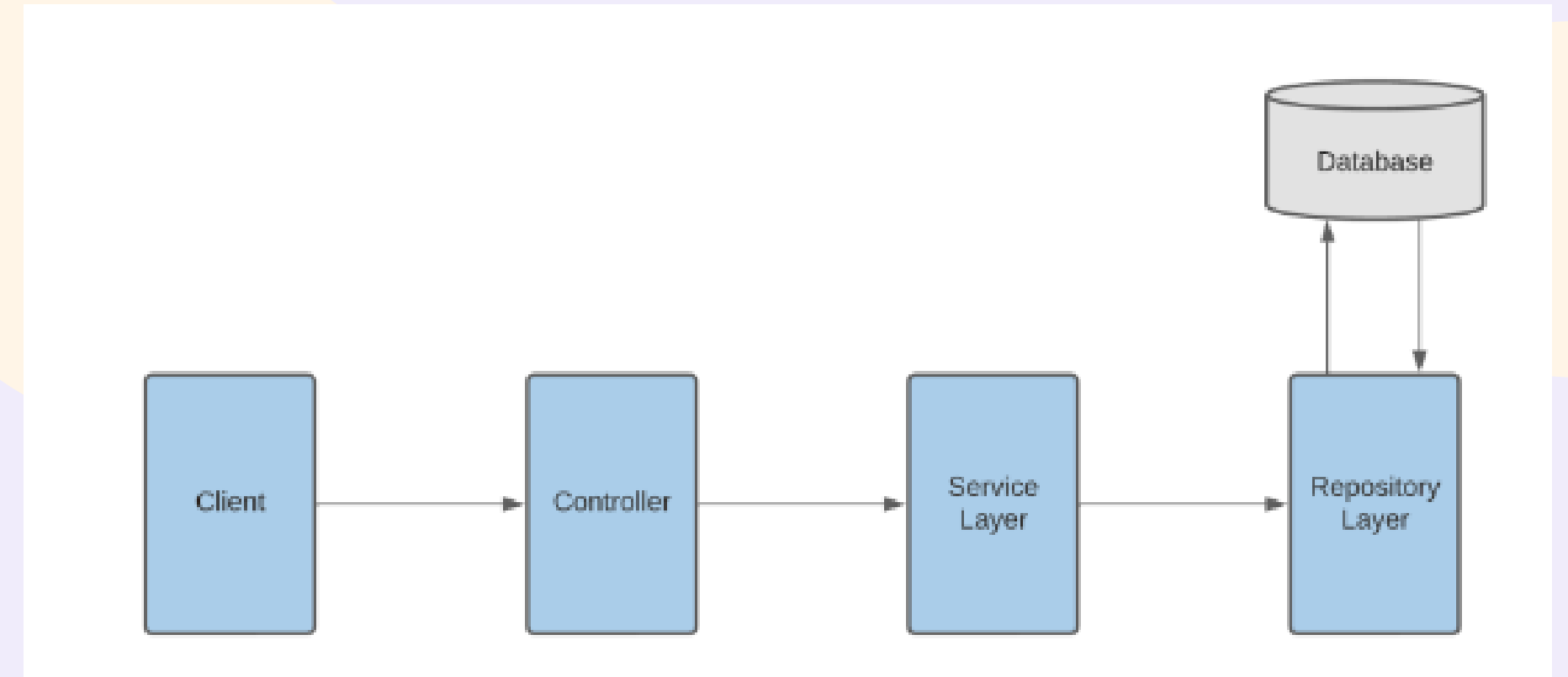


Figure 3: Backend Service Architecture

Implementation Details



- Front-end → Angular
- Back-end → Java Spring Boot
- NLP Service → Python
- Database → MySQL
- Version Control & Issue Tracking → Git & GitHub
- Architecture → Client-Server Architecture
- Other Tools → EC2 (AWS), RabbitMQ, WebSocket

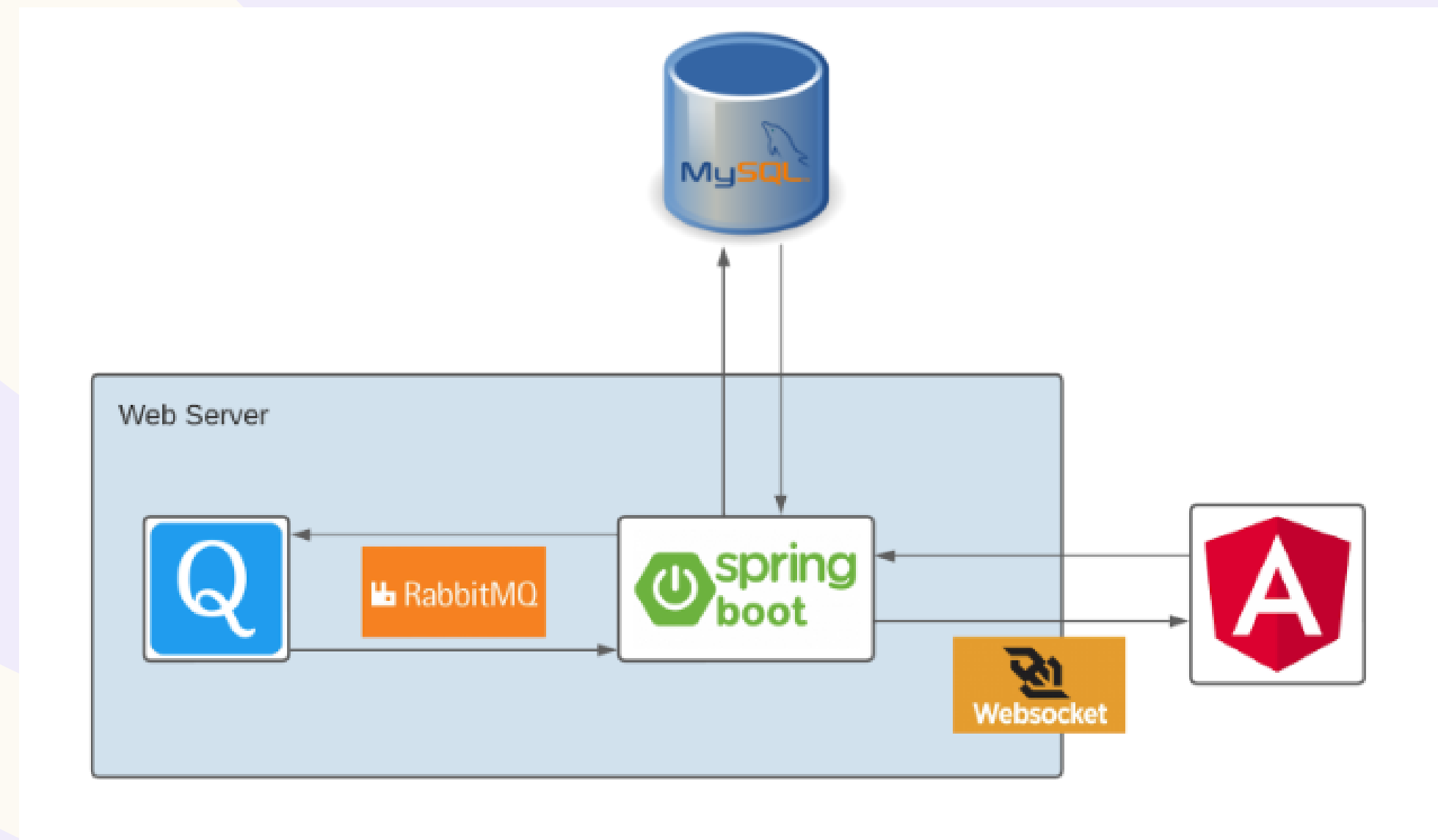


Figure 1: Technologies used in Mutrivia

Server Architecture

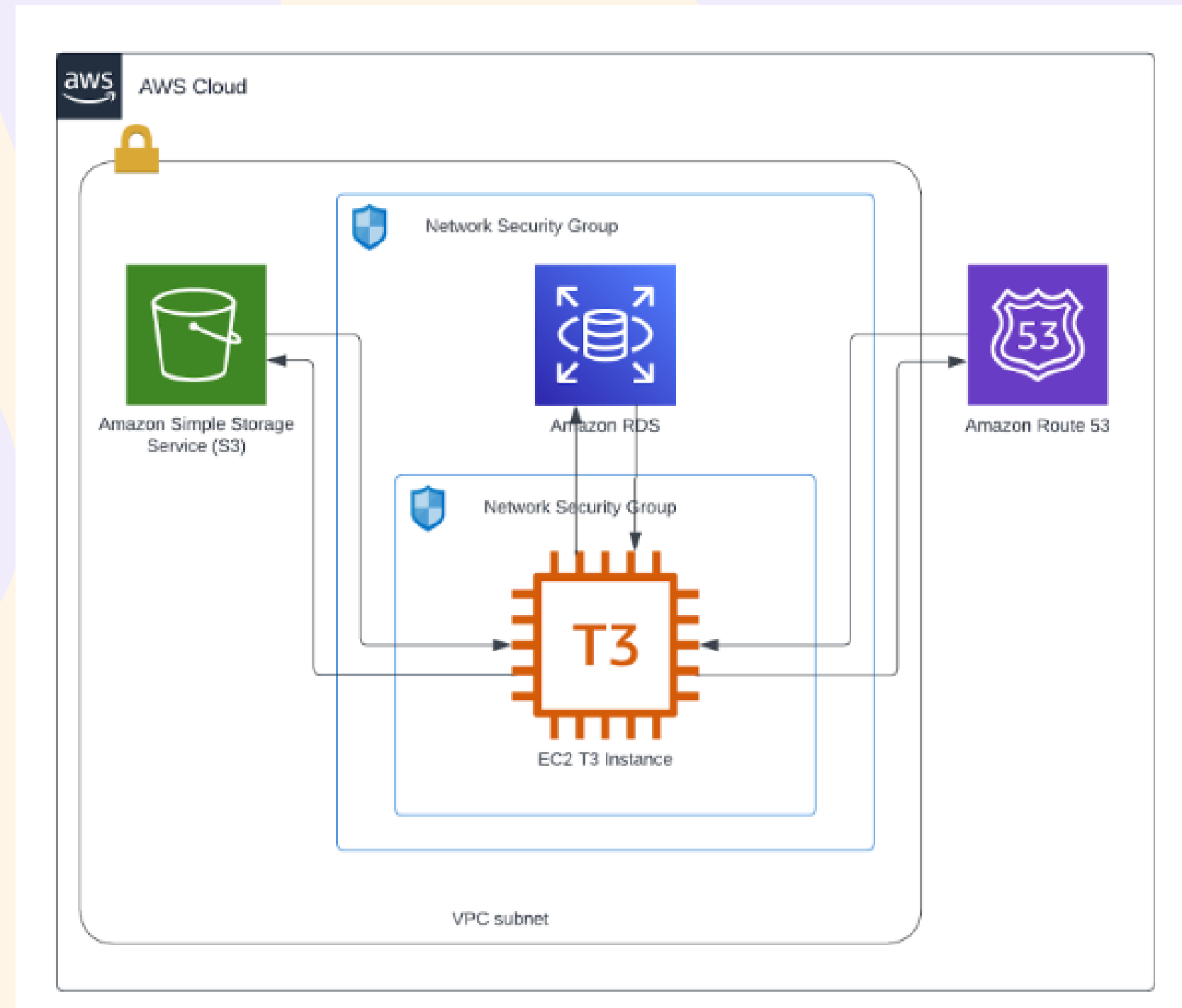


Figure 4: Server Architecture

Work Division

Bedirhan Sakinoğlu: Backend implementation (Spring Boot, AI Service) & Web prototype frontend (Angular) & AI Research and Implementation

Gökhan Taş: Deployment & AI Research and Implementation & Debugging

Lara Fenercioğlu: Web frontend (Angular) & Testing & AI Research and Implementation

Sebahattin Utku Sezer: Web frontend (Angular) & Testing & AI Research and Implementation

Zeynep Büşra Ziyagil: Deployment & AI Research and Implementation

Awards & Support

- \$5000 AWS Credit
- Pre-incubation from Bilkent Cyberpark
 - Joined CyberCulture program
- VakıfBank Hack to the Future "Best Social Enterprise" Award





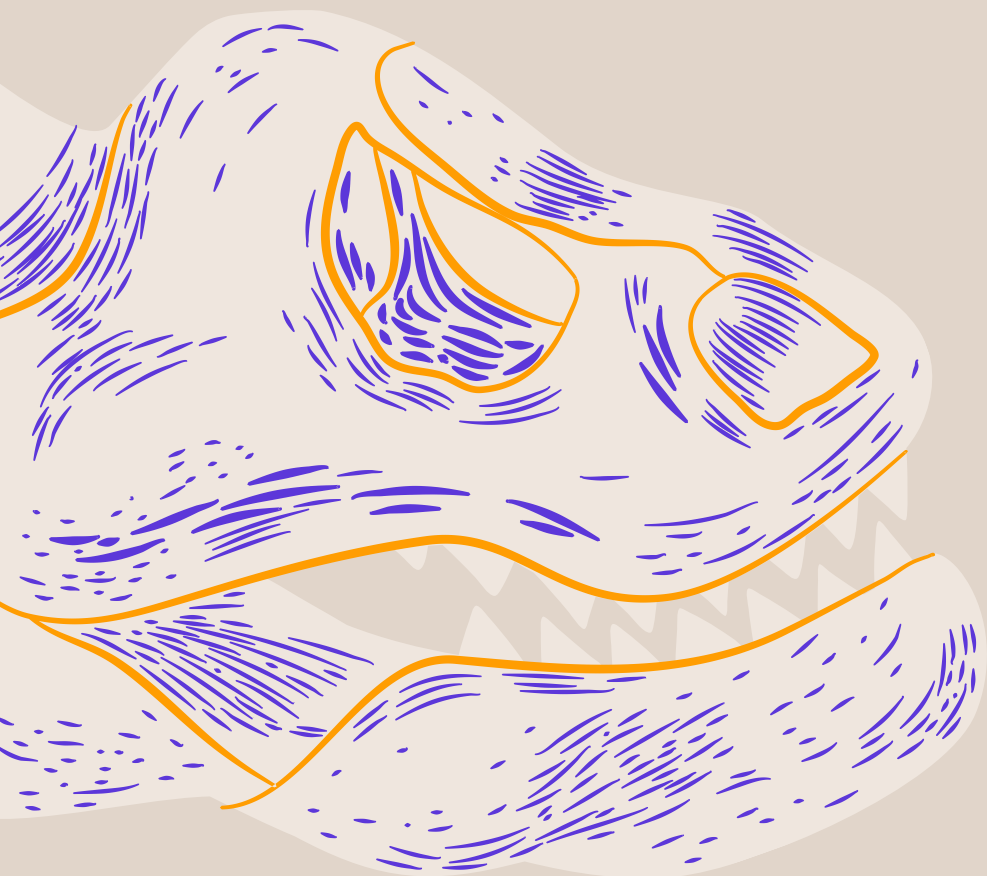
Thank you!

Now let's switch to demo.



E-MAIL

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Demo

Go and click Demo

