

Data Engineering Project – Presentation Structure

Overall Flow

- Act 1 – System Functionality
- Act 2 – Solution Design
- Act 3 – Architecture & Deployment
- Act 4 – Code Deep-Dives (Everyone)
- Act 5 – Future Evolution

Person 1: Opening + API Demo + Favourite Code

JERMAINE

- Project introduction and problem statement
- Live API demo (Postman/curl)
- Favourite code snippet related to API logic

Person 2: Web App Demo + Solution Design + Favourite Code

THATO

- Web application demonstration
- Solution design overview with diagrams
- Favourite code snippet tied to UI-backend flow

Person 3: System & Deployment Architecture + Favourite Code

LIHLE

- System architecture overview
- Deployment architecture (Docker, services, DBs)
- Favourite code snippet from infrastructure or config

Person 4: Codebase Structure + Build Pipelines + Favourite Code

AMO

- Directory structure and design decisions
- CI/CD or build pipeline discussion
- Favourite reusable or abstracted code component

Person 5: Future Evolution + Favourite Code

SIZO

- System improvement and scaling ideas
- Monitoring, performance, and reliability plans
- Favourite core business logic code

Timing

Total: ~30 minutes

Each person: 5–6 minutes including favourite code discussion