Technical Coding Challenge

Rules

- Should be completed in 3 days and before the technical interview
- Should be done exclusively by candidate
- Should be in a git repository
    - Several commits along the way (optional)
    - One final commit (mandatory)
- Sources of deliverables
    - Written by candidate
    - Generated by code or document generators

Accepted Languages

- Java
- Go
- C#
- Javascript

Deliverables

- Source Code (mandatory)
- Build/Run Scripts (mandatory)

Evaluation

Evaluation will be done based on the following points (by order of importance):

- 1. Delivered project runs, exposes API, is delivered in GIT, includes README (mandatory)
- 2. Full API implemented, respecting REST standards and working
- 3. Clean code following best practices and using common Design Patterns
- 4. Efficient code
- 5. Reasonable Unit Test coverage
- 6. Any extra artefacts the candidate deems important or relevant

General Advice to Candidate

1. Read all before starting
2. If you need additional information don't hesitate to ask us!
3. Order of importance in evaluation matters

Description

Write a REST service that supports the management of a device database

Represented entities

1. Device
    - Device name
    - Device brand
    - Creation time

Supported operations

1. Add device
2. Get device by identifier
3. List all devices
4. Update device (full and partial)
5. Delete a device
6. Search device by brand