Software Developer (Backend / Infrastructure)

The goal of this assignment is to provide a very small sample of how you work and is in no way meant to be complete, but rather provide a base for a discussion on best practices. Please schedule no more than **1 hour** for this test.

Assignment goal

You are asked to come up with infrastructure which allows machines to report their status. Write a service named *status* which responds to HTTP requests with a plain text response which includes these data points of the machine it is currently running on:
- the hostname
- the current date and time
- the system uptime

Additionally the system is required to log the timestamps of all requests it receives for auditing purposes. These logs need to live on a different machine which we will call *database*.

Requirements

- Come up with the minimum viable solution for the above problem
- Include documentation for:
    - which runtime requirements / dependencies need to be installed
    - how to start the services
    - how they work
    - how to perform the above mentioned request
    - Automated tests would be nice, but are not required as long as you mention how to manually test the setup

Deliverables
- If possible, do all your work (including documentation) in a git repository
- As a final step export a [git bundle](#) and provide that to us

Implementation hints

- You can use any programming language that is widely available

- A very minimalistic web server can be written [using netcat and a shell](#) - this would already be considered sufficient for the task at hand
- Returning more data then what was requested is fine, but not required