Lederbord Project Proposal

Company background

Lederbord is a startup which manufactures a portable, wireless, app-controlled scoreboard for multisport use by university Club/IM sports departments. Lederbord has been operating for approximately 3 years, and is run by a team of seven. We have finished our first two production batches and sales of the Lederbord, and have just put in our third order. In addition, the IM sports department at Mines has purchased two of our boards, so you may have even seen them around! Check out our website, www.lederbord.com, for more info!

Project Description

At Lederbord we have consistently faced difficulty managing our fleet of Lederbords. We have recently installed a new platform to manage our devices, and we would like you to build a web dashboard which will allow us to view important metrics such as OS adoption percentages, connection times, and device owners. The platform we have switched to is called BalenaOS (https://www.balena.io/os/), and it provides an API which will provide a strong jumping off point!

What We Have (CLI)

What We Want (super boujee web dashboard)
Desired Skill Sets/Learning

If you have these skill sets already, you will be building them in new ways; if not, this is what you can expect to learn through the project!

- REST API's
- Modern Web Design (React/Angular/Vue/etc)
- Docker Containers (big industry buzzword!)
- Raspberry Pi
- Linux

Intellectual Property

All intellectual property will be maintained by Lederbord LLC. It will be necessary for you to sign a Nondisclosure Agreement at the beginning of the project

Preferred Team Size

3-5 members

Future Work

Yes! Lederbord is a startup which has multiple platforms to manage (two mobile apps and the embedded device). We need developers!

Location

We're all in Denver, would love to meet in person with social distancing or online via Zoom!