MYSTICONS

TEAM

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CHALLENGE 1

DevSecOps. Agile CI/CD pipeline for developing, testing and deploying SECURE solutions. Mainly for our own "Overflow" and "Iotitude" teams and future WIMMA Labs.

Our job is to master Docker Containers, Kubernetes, Robot Framework, Locust, Lint and many more tools used in development of current teams. We need to establish a working CI/CD Pipeline with proper security checking, syntax testing and general software testing.

COLLABORATION

JAMK, Ari Korhonen, JAMK Musiikkikampus

CHALLENGE 2

Company X: We have this Turtlebot 2 frame just lying around. Could you come up with some use for it? Mysticons: OK!

We have preliminary 3 stage development cycle:
V1.1 "The dummy": Move and communicate.
V1.2 "The stalker": Follow and communicate.
V1.3 "The unwanted guest": Sneak up on behind and suddenly communicate.

CHALLENGE 3

Music teacher has to spend tremendous amounts of time teaching the basic chords to basically every student at a time. Also, there is no way to be sure that the student has spent time practicing at home.

Our job is to make Proof of Concept -type of field study if this is doable. We have already produced a simple prototype with the use of a MIDIkeyboard and some crude code in JavaScript.