

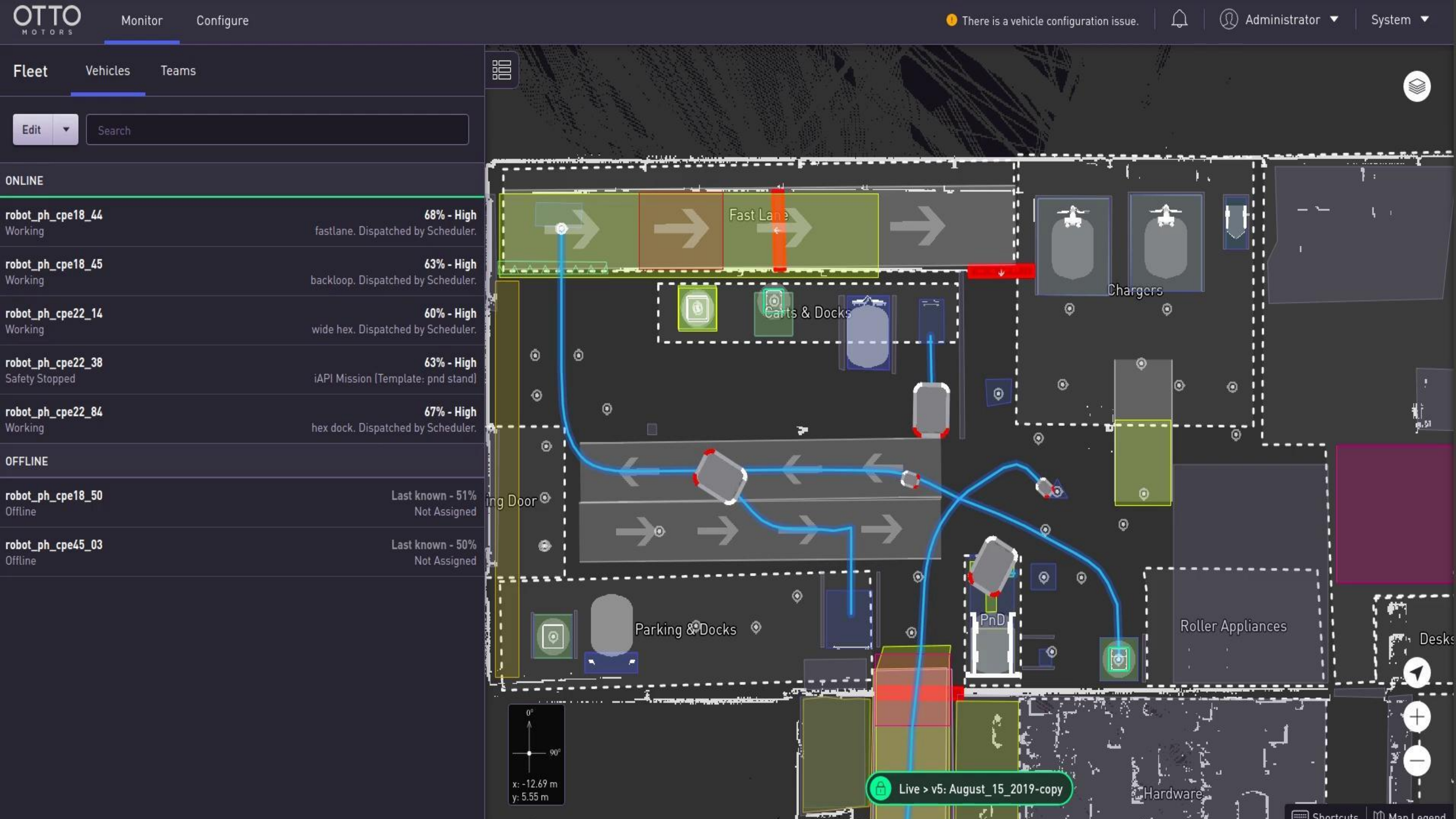


Pros and Cons of UI Testing Tools

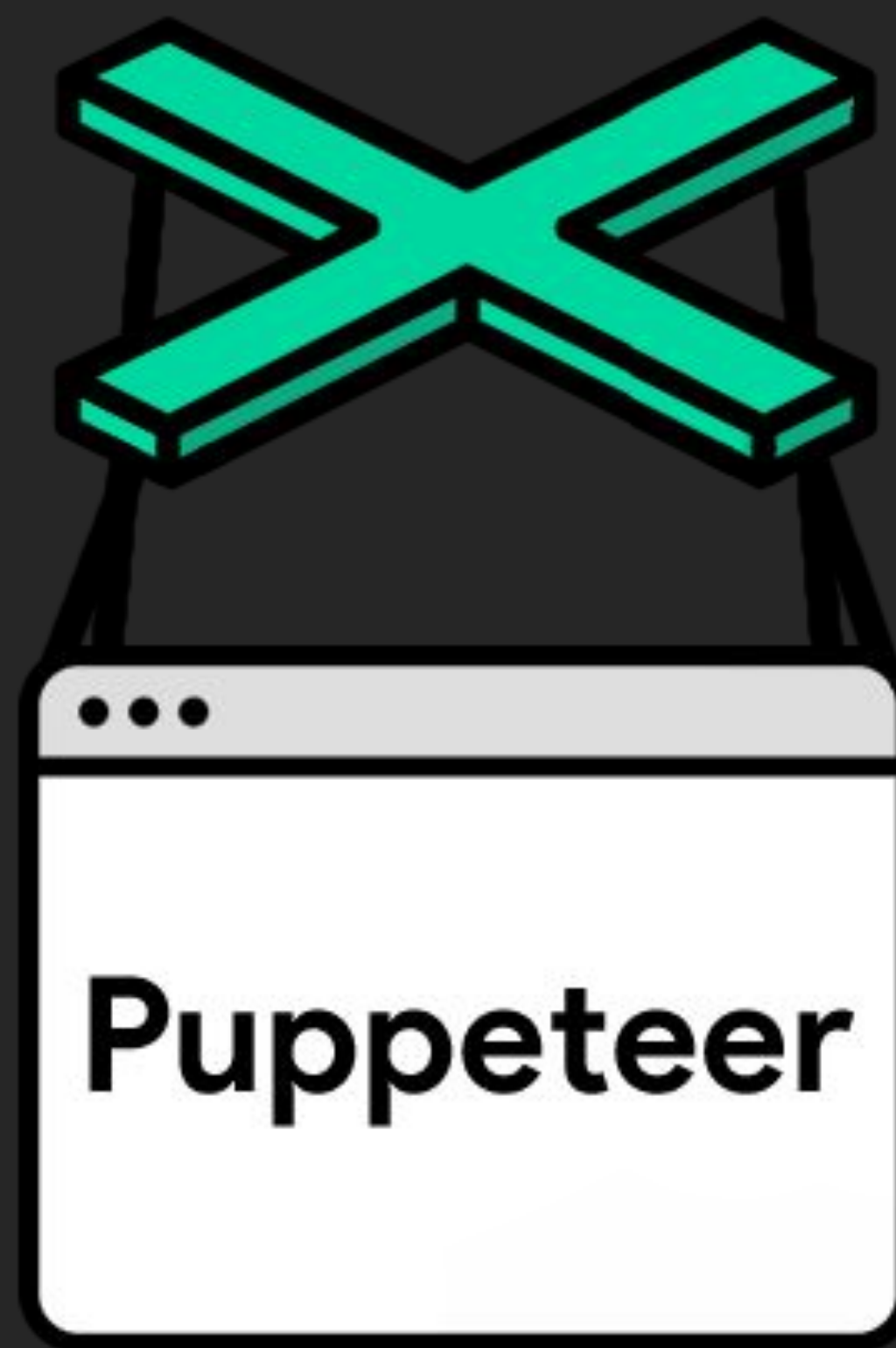
Clare So
UI Test Developer
OTTO Motors

OTTO self-driving vehicles!





The Three Tools I've Worked With



1

Selenium



ADVANTAGES

- Well established
- Many language bindings
- Supports multiple browsers
- General browser automation tool

DISADVANTAGES

- Flaky tests
- Require driver software
- Slower

2 Puppeteer



ADVANTAGES

- Fast
- General browser automation tool
- For modern web frameworks
- No separate driver software
- Performance metrics

DISADVANTAGES

- Chrome/Chromium only
(Firefox support to come)
- Javascript only



ADVANTAGES

- Fast
- For modern web frameworks
- No separate driver software
- Stubs/spies
- Debug tools

DISADVANTAGES

- Chrome & Electron only
(Firefox support to come)
- Javascript only
- Other test runners?
- Some architectural limitations

Dear Cypress and Puppeteer, please support Firefox!



The image shows a dark, flatbed autonomous mobile robot (AMR) in a warehouse setting. The robot is carrying a stack of cardboard boxes. In the background, there are more stacks of boxes, a person, and another robot. The scene is dimly lit, with the robot's lights providing some illumination. The text "Final Thoughts" is overlaid in the center.

Final Thoughts