

## W22 CIS\*3760 Sprint 5 NGINX

For the remaining five sprints you will be building your course graphing functionality into a web application. Goodbye CLI and Graphviz, hello full stack web dev.

To ensure that the technologies used are relevant I base these on real job ads. The CD PROJECT RED “Fullstack Web Developer” posting is on the next pages, and is the inspiration for these sprints.

In sprint 5 your goal is to install and configure your technology stack on your VM.

- NGINX. Preferably https (self signed). A basic website with HTML, CSS, and JavaScript/TypeScript, served on NGINX with its own URL. This should be index.html at the root URL.
- React for the UI.
- A CSS template. Bootstrap for example.
- You will likely want jQuery to interface with your Flask API later on.

### Should not have:

- No containers yet.
- No database yet.
- No user authentication or log in. I’m not creating an account or logging on to interact with your application. If you try to make me you will lose many marks.

### Deliverables on GitLab:

- An install script that installs all of the above. For consistency let’s try for *apt*.
- Your config files for the above, with clear README on where to put them and how to start and re-start the servers. Generally good clear documentation on how to get everything up and running for your setup.

If you have time, start looking for JavaScript graphing libraries that can create graphs similar to Graphviz. One example: <https://d3js.org>

The sprint ends Monday March 7th at 12PM. Do not modify the sprint5 branch after this time. If you do, the team will lose marks.



# Fullstack Web Developer ( Python, JS, React )

Warsaw, Poland

Full-time

## Company Description

To create revolutionary, story-driven RPGs which go straight to the hearts of gamers — this is our mission. As a driven team of talented professionals from all around the globe, we want to earn our place as one of the world's top video-game developers, push narrative boundaries, and build unforgettable stories that set and redefine the standards for the genre.

## Job Description

- Develop web services that will improve internal pipelines and processes
- Work closely with other teams to deliver the most efficient and user-friendly tools.
- Help out other developers with developing/maintaining in-house web services.

## Tech Stack

- React
- Redux
- Flask/Django
- JavaScript/Typescript
- Python
- SQL
- HTML
- CSS

## Qualifications

- At least 2 years of experience as a full-stack web developer
- Proficiency in the technologies mentioned above
- Experience with any version control system
- Can work independently while being an integral member of a high-functioning team
- Structured and well-organized
- Able to meet tight deadlines and to work effectively under pressure

- Some experience with Extreme programming/TDD/DDD (nice to have)
- Fluency in English

### Additional Information

- A modern and relaxed studio atmosphere
- A chance to work in a booming industry, within an international team.
- Private health care
- Fresh fruit twice a week for everyone in the office, a wide choice of tea, fancy coffee machines, and a few types of milk. :)
- Many social activities and parties
- From 20 to 26 days of paid vacation per year
- A step by step assistance and 'Relocation Package' for foreigners willing to establish in Warsaw.
- Polish lessons for foreign employees

**While applying please provide links to your online code repositories and finished projects!**

[Privacy Policy](#)

[Cookies Settings](#)



Posted by

**Anna Krawczyk**

Powered by

(Data Processor)

[Privacy Policy](#) and [Terms of Use](#)