Job descriptions for maintaining the Capstone Course Dashboard project

Backend job:

Description
You will be maintaining and/or developing an existing REST api built in fastapi and interfacing a mongodb database. The project is an open source dashboard tool meant for use by teaching staff in project courses such as CMPUT 301 and 401 offered at the University of Alberta to track student progress throughout the semester. Adherence to best practices with regards to style, testing, and github (issues, reviewing, prs, etc.) is expected.
Qualifications
- Familiar with python
- Familiar with using python virtual environments
- Familiar with at least one python testing package such as pytest
- Experience with a backend framework such as django
- Familiar with git

Nice to have
- Experience with fastapi
- Experience with pytest
- Knowledge of docker and cloud deployment
- Experience working with CI/CD tools

Frontend job:

Description
You will be maintaining and/or developing an existing frontend project built in svelte and managed with yarn. The project is an open source dashboard tool meant for use by teaching staff in project courses such as CMPUT 301 and 401 offered at the University of Alberta to track student progress throughout the semester. Adherence to best practices with regards to style, testing, and github (issues, reviewing, prs, etc.) is expected.
Qualifications
- Familiar with javascript
- Experience working with a web framework such as react or svelte
- Familiar with git

Nice to have
- Experience with svelte
- Experience with UI testing frameworks such as selenium
- Knowledge of matplotlib, plotly, or plotly dash
- Knowledge of docker and cloud deployment

- Experience working with CI/CD tools

Fullstack job:

Description
You will be maintaining and/or developing an existing project utilizing svelte for frontend and fastapi plus mongodb for backend. The project is an open source dashboard tool meant for use by teaching staff in project courses such as CMPUT 301 and 401 offered at the University of Alberta to track student progress throughout the semester. Adherence to best practices with regards to style, testing, and github (issues, reviewing, prs, etc.) is expected.
Qualifications
- Familiar with python
- Familiar with using python virtual environments
- Familiar with at least one python testing package such as pytest
- Familiar with javascript
- Experience working with a web framework such as react
- Experience with a backend framework such as django
- Familiar with git

Nice to have
- Experience with svelte
- Experience with fastapi
- Experience with docker
- Experience with pytest
- Experience with UI testing frameworks such as selenium
- Knowledge of matplotlib, plotly, or plotly dash
- Knowledge of docker and cloud deployment
- Experience working with CI/CD tools