

Introduction

To accomplish all required tasks for Studio 4, it is important to have a diverse team. You will still work as a fluid, self-organising team. Ideally, your team will cover all the following roles.

There will be overlap between the roles. As part of a small team, you'll often need to help others to achieve the required results.

You can apply for multiple roles. There will be peaks and troughs in your role's demand. It is unlikely that one role will utilise your full-time equivalent throughout the project.

Instructions

1. Choose your primary role for which you would like to apply
2. Optionally, choose a secondary role
3. Prepare your CV with relevant experience (for example your responsibilities from previous Studio papers or completion of programming papers, etc.)
4. Write a short cover letter explaining why you would like to apply for your selected role(s).
5. Deliver it to your lecturer

Job descriptions

Full-stack developer

As a developer, your primary job will be writing new code for your team project. This will include front-end, back-end and database development. You will be involved in the design of new solutions as well as fixing bugs and creation/maintenance of automated tests.

Deployment/infrastructure engineer

You will be responsible for design, creation and maintenance of deployment environments. This will include Virtual Machines or containers, as well as creation of build tools/scripts. Security considerations of the deployed solution will be your responsibility.

Continuous Integration engineer

You will be responsible for setup and maintenance of your new Continuous Integration solution as well as creation of CI tasks/pipelines. Emphasis will be given to continuous improvement of your solution – for example helping the QA get more insight into their job (for example easy access to test code coverage, code linting, etc.)

QA Engineer

Your job is to make sure that your team project is of high quality. This includes, but is not limited to:

- Manual (UI) testing
- Creation of automated tests
- Identifying weaknesses in the automated test suite

Project Manager/Product Owner/Scrum Master

You will be the glue that holds the team together. You will make sure that (for example):

- Interaction with the customer happens at regular intervals.
- Sprints are properly executed
- Incremental progress is happening every sprint

- Your backlog and sprint plans are tidy

You will also be responsible to provide a periodic “executive summary” and transparency for the management to know that progress is being made.

As a Scrum Master, you will make sure that Agile principles are being adhered to, identify inefficiencies within the team and improve them.