

RM2 – Canvas Automator

Canvas Integration Tools

Industry Partner: Cian Byrne

Location of Partner: North Sydney & Online/Remote

URL for Partner: NA

Contact Person:

Name: Cian Byrne

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Phone:

General field/discipline: Big Data, DevOps, Web Development, Databases

Specific requirements/skills:

Interest in web development and big data processing. Skills in Web Development (Full-Stack) using the latest industry standard tools such as MEAN stack (MongoDB, Express, Angular, NodeJS) or similar. Need Python3 understanding.

Python, Web Development, APIs

Project Outline:

Online Learning Tools are now becoming more and more prevalent in the education sector. All institutions are looking at ways to make the management of these tools easier.

An education body that manages 152 schools in NSW is looking at rolling out the Canvas LMS to all its schools.

Each school has separate requirements for how they want Canvas set up. The role of the students would be to build a middle-layer management interface for Canvas Administrators that is able to customise and configure the setup of Canvas classes and enrolments. This will be a web-development focused project with a strong focus on database storage / tracking enrolments. Since this project is potentially going to be rolled out to many schools, it will need to be written efficiently and include all the requirements of the business.

If you are interested in being prepared for industry jobs the best place to learn the methods is to get involved and start experimenting with the technologies by seeking out where the most community support and development is happening.

All delivered solutions will be tested against the existing process.

Students will work directly with the industry partner and be able to gain valuable industry knowledge. Clients have more than 10 years of Capstone Project experience working with Sydney University.

Teams: 2+

Reference Material/Links

Canvas LMS Documentation: https://canvas.instructure.com/doc/api/file.sis_csv.html