

Daniel Wild
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Bachelor of Information &
Communication Technologies
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Learnings

ICT-Specific Skills

- Improved my technical skills in Typescript, testing, and version control.
- Developed new skills in XPATH, Pipeline deployment, and API.

General Skills

- Experienced Agile in a real-world environment.
- Improved communication and presentation skills in a professional workplace.
- Experienced project management practices.

Outcomes

- Six complete react app UI-testing suites.
- All tests are passing.
- Comparison between UI and API elements.
- Tests linted and code reviewed to industry standards.
- Tests integrated into the deployment pipeline.
- Architectural-level documentation created.

[illegible]


Puppeteer Workflow

Conclusion

This project showed me the possibilities and power of software automation. The speed at which a large testing suite can be run compared to manual testing is impressive and shows how it can be used to maintain overall app quality. I would like to see what over things these tools could be used to automate.

1. XPath code is used to find each HTML element on the page.
2. Puppeteer code is then used to give the browser actions.
3. Input and actions are carried out in the browser.
4. Actions are passed to mocha chai tests to compare with the expected result Boolean.
5. A result is returned in the terminal.

- Gain experience working in the IT industry.
- Plan, develop and manage an IT project.
- Expand my software testing skills.



2. Actions Given

3. Actions Carried Out

4. Comparison with Expected Result

5. Result Returned

Acknowledgements

Course Convenor: Dr. David Weir (David.weir@ara.ac.nz)
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SCAN ME



Puppeteer



VS Code



Typescript



Jira