Letter of Graduation

For: **Andrew James Trotter**

Graduation Date: **Friday, 21 July 2023**

Qualification: **Dev Academy Aotearoa Certificate in Applied Software Development**
NZQA Level: **Level 6 Certificate with 80 Credits**

This letter acknowledges Andrew James Trotter's achievement of completing the Dev Academy Aotearoa Certificate in Applied Software Development.

Dev Academy Aotearoa is an immersive and intensive software development training bootcamp. We train passionate people in practical programming skills. Our focus is on producing talented individuals with both technical and practical skills that can hit the ground running as software developers in a commercial environment.

Andrew James Trotter has been through a very intensive and challenging bootcamp. He has completed between 700 and 800 hours coding on multiple projects in a team environment.

Competencies Achieved:

Technical

- Deep understanding of programming fundamentals
  - Functions and high order functions
  - Data types (objects, arrays, etc.)
  - Data structures and algorithms
  - Functional programming and Object Orientation
  - Control flow with conditionals and iterators
  - Asynchronous programming (file system, database, and network)
- Testing and Test Driven Development
- Software quality measures such as accessibility, performance, and security
- GitHub and Git
  - Pull requests
  - Code reviews
- Debugging techniques in the browser and on the server
- Command line interface
- Editor - Visual Studio Code
- Building a web server from scratch with Node and Express
- HTTP protocol
- Designing RESTful routes for resources
- Creation and migrations on relational databases
- Creating and testing web APIs
- Consuming third party web APIs
- Client side JavaScript frameworks, using TypeScript (e.g. React and Redux)
- User authentication via JSON Web Tokens (JWT)

Practical

- Giving and receiving feedback
- Understanding client needs through deep listening
- Awareness and appreciation of diversity
- Experience with playing different roles in teams (Developer, Product Owner, Scrum Master, customer)
- Managing conflict in teams, conflict prevention and resolution
- Agile techniques
  - Standups
  - Kanban boards
  - Task estimation

- - ○ Sprints and sprint planning
    - ○ Backlog prioritisation
    - ○ Retrospectives
  - Presentation techniques
    - ○ Elevator pitches
    - ○ Presenting technical topics to technical and non technical audiences
  - Careers Skills
    - ○ Creating and managing an online presence
    - ○ Planning for job hunting success around coding practice and other commitments
    - ○ Answering common interview questions
    - ○ CV and cover letter writing
    - ○ Curating a portfolio to present projects to employers
    - ○ Understanding job hunting techniques
    - ○ Researching organisations to improve application quality
    - ○ Offers and salary negotiations

He has achieved a high standard and we wish him all the best in the next steps in his career. For any further information on Andrew James Trotter please contact Dev Academy Aotearoa.

Rohan Wakefield
Managing Director