

Timothy Tolley

- Freelance Full-stack Web Developer

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I am a software developer looking for freelance opportunities. I specialise in Node and Express for backend work and React and Redux for front end builds, but I'm a quick learner and always looking to expand my programming horizons. Currently I am working on several different projects including my personal portfolio, timothytolley.com and deltage.nz, a cryptocurrency arbitrage tool which helps its users exploit arbitrage opportunities - see below for more information.

I learnt my skills in programming at Enspiral Dev Academy, a 19 week intensive and fully immersive course in full stack web development. There I learnt not only how to programme, but also how to learn new programming languages and libraries in an effective and efficient manner.

I am most interested in working with people who are looking to use technology to help improve people's lives, whether it is through sustainability, education or social enterprise. Helping to make a social difference in the world is very important to me.

EXPERIENCE

Enspiral Dev Academy, Auckland — *Student*

OCTOBER 2017 - PRESENT

A 19 week long course in full-stack web development which included but was not limited to Node.js and Express.js for the backend, and React.js and Redux.js for the front end. Strong focus was put on the learning new languages and up to date packages.

Enspiral Dev Academy (EDA) presented a real life working environment and I spent my time there learning by doing. Emphasis was put on collaboration, with regular sessions of pair programming helping to simulate the real life scenarios that a web developer faces daily. While we were learning to use a variety of programming languages and libraries we were also learning how to learn. That is to say, we were not rote learning the ins and outs of JavaScript, but instead spent our time learning through the use of library documentation, collaboration and using resources such as Stack Overflow and MDN Web Docs.

EDA also has a heavy focus on learning Agile Practices as they have become extremely important in modern software development. Throughout my time at EDA, I took part in regular standups which helped to bring everyone onto the same page regarding the status of the project, as well as daily retrospectives to improve productivity and moral. Constant focus was also put upon the

WORKING STACK

Node.js

Express.js

React.js

Redux.js and Redux thunk

Express-Handlebars

Knex for SQLite

MongoDB

SuperAgent

Test Driven Development

Enzyme

Jest

Codecept E2E

Three.js

SKILLS

Agile Practice - Experience using agile practices when working on projects. Practice doing stand-ups and re-prioritisation based on clients' needs. Also well-versed in taking part in retrospectives and listening to the needs of both clients and coworkers.

Communication - Extensive practice articulating ideas through presentations and conversing both with technical and non-technical people. Extensive practice in

reorganisation of tasks based on the client's needs and in the interest of productivity. My EDA experience has left me with a strong ability to learn and adapt, as well as a strong technical grounding in full stack Agile JavaScript development which is both up to date and constantly improving. Through the time I spent at EDA, I feel that I have become a more effective communicator and learner, and have developed into a strong, agile developer.

Major Sprout, Auckland — *Barista*

JUNE 2017 - DECEMBER 2017

This experience helped to develop my ability to perform well under pressure, especially as part of a team. As a Barista I interacted with a range of people and, often through just short interactions, I developed strong interpersonal connections and positive rapport with regular clients. I meshed well with the team and enjoyed the time spent there as a result.

Soon after starting to work at the cafe I was entrusted with opening the shop early, a result of my ability to work well with little supervision. I was often relied upon to come in at short notice and managed myself and others when necessary with integrity. I quickly recognised the importance of working as a team through pressured situations and difficulties, such as being short staffed. I left Major Sprout with a strong sense of the value of a positive team environment and working autonomously.

Mossgreen-Webb's, Auckland — *Auction Assistant*

MAY 2017 - JUNE 2017

Developed skills in interacting with a range of high profile clients in a technical manner. I was entrusted with handling expensive art and artifacts and was encouraged to generate a good rapport with regular buyers and sellers. While in the position at Mossgreen-Webb's I learnt the importance of generating a healthy relationship with clients and put great effort into helping them make choices they were happy with.

Topshop Topman, Auckland — *Stylist and Retail Assistant*

APRIL 2015 - MARCH 2017

Extensive interaction with personal clients in a professional manner, understanding and fulfilling their needs. Extensive experience working as part of a large team. At Topshop Topman I was entrusted with managing sales data and ensuring that the floor was set out to reflect this data.

Barkers Men's Clothing, Auckland — *Retail Assistant*

NOVEMBER 2014 - APRIL 2015

Developed relationships with a variety of clients and worked as part of a small tight knit team to achieve large sales targets.

Traffic Design Group, Auckland — *Surveyor*

January 2014 - October 2014

Precision was essential in this role as the information generated in the surveys

written communication of ideas.

While at Enspiral Dev Academy I was able to present to the cohort and a wider audience on multiple occasions and developed an affinity for being in front of an audience. I enjoy teaching others things that I have had the opportunity to learn.

Research and Analysis - skills generated through extensive need for research throughout my university degree and study at Enspiral Dev Academy.

Comfortable using documentation and other resources to find answers to the questions I encounter with the understanding that sometimes collaborating is a more beneficial practice.

Non-development Computing - Basic Photoshop and Lightroom literacy developed from a keen interest in photography and design. Interested in continued development of these skills.

Retail and Commercial - Strong understanding of commercial performance tracking and sales statistics learnt from working in retail environments. I was encouraged to broaden my skill sets while working within these environments and enjoyed the challenge of recognising sales trends upon which to act.

Learning and Development- Able to quickly pick up and develop skills across a range of fields. Particularly adept at understanding development libraries from time at Enspiral Dev Academy. I have a keen interest in continued development and learning and have already been able to learn new technologies in my short time as a freelancer.

for used to implement important changes to infrastructure.

EDUCATION

University of Auckland, New Zealand — Bachelor of Arts

FEBRUARY 2014 - NOVEMBER 2016

Completed a double major in Classics and Ancient History. Developed strong research skills and the ability to expound my views through writing while learning to analyse information across a variety of technical forums. Extensive analysis of art helped to develop a strong sense of unique design and beauty. Most of the learning that I took away from this degree was my ability to communicate my views to an audience, mostly through writing. I also generated a strong desire to help others experience the awe that I had when learning about the ancient world. I now realise that my technical skills will one day allow me to do so.

CURRENT PROJECTS

Deltage.nz — Cryptocurrency Arbitrage Tool

A web application which reveals cryptocurrency arbitrage opportunities that can be exploited manually by the user. Includes extensive information about potential trades and the market as a whole. Currently the application is intended to help its users gain an overview of the market. In the long term the goal is to create an application which can perform these trades on behalf of its users through a series of API calls. This will require some care parameters to ensure the success of trades, and the user understanding that fees will incur. The goal is to continue working on the application with my team to create an excellent user experience which helps to make cryptocurrency more accessible through clean design and explanation. If you would like to view the project visit <https://deltage.nz> and log in with 'deltage' as the username and 'delta' as the password. The Github repository can be found here: <https://github.com/Timothy-Tolley/Deltage>.

Timothytolley.com — Personal Portfolio

A way for me to creatively display some of the work I have been creating while working as a freelancer. Built using Three.js and React, the site aims to be an interactive and creative way for potential employers to see some of the projects I have been working on. In the future I would like to investigate a way of using the virtual reality capabilities of Three.js in order to create a more immersive experience. Other key points of improvement lie in performance and compatibility as well as wanting to create my own 3d model for use on the site. If you would like to view the project head to <https://timothytolley.com> and for the open source code go to <https://github.com/Timothy-Tolley/timothytolley-3js>.

Baby? — Short film website

A full stack React and Node website built as a marketing tool for the short film *Baby* by Mark and Marion Prebble. The site is intended to be an easy way for

This includes as learning three.js the 3D rendering framework and exploring react animation and css transitioning. I am now looking to explore some data mapping frameworks for further learning.

LANGUAGES

English - First Language

Spanish - Basic conversational understanding

REFERENCES

References upon request

the creators to show off as much imagery as possible in order to generate interest from the public and film festival selectors. This project is still being finalised, however, the main desktop view is complete. Currently in the pipeline are a mobile view as well as some performance enhancements. View the website here: <https://baby-short.herokuapp.com> and the code for the build can be found here: <https://github.com/Timothy-Tolley/baby>.

INTERESTS

Motorcycles — Customisation and Maintenance

Motorcycles have long been an interest of mine and my practical mechanical skills have developed considerably in the last few years. Having completely rebuilt a classic 1973 Honda CB350f, from a barn find into a fully functioning cafe racer, motorcycle customisation has become an outlet for my creativity. The ability to create something both functional and beautiful is unrivaled.

Travel — Keen Traveller and Adventure Seeker

Having travelled to 29 countries both as a solo traveller and with family and friends, I have developed a strong affinity for the excitement and challenges that travel brings. Interacting with people is a strong pull for me on my travels and I have been lucky enough to meet many interesting and thought provoking people through the experience.