



# Nick Walton

Full Stack Engineer

I'm a seasoned Full Stack Engineer specializing in React and Node.js. My lifelong passion for coding began at age 11, and I've dedicated my career to simplifying work processes, making technology a catalyst for productivity and innovation, and enhancing overall quality of life.

---

## DETAILS

[nick@waltonit.dev](mailto:nick@waltonit.dev)

[www.waltonit.dev](http://www.waltonit.dev)

0210721362

Wellington, New Zealand

## EDUCATION

Victoria University of Wellington  
*BSc Specializing in Cybersecurity*  
2020

University of Canterbury  
2017 – 2019

## SKILLS

- Node.js
- React.js
- Python
- Azure
- SQL
- Postgres
- Linux
- Offensive Security Tools
- Cloud Computing

## Job Experience

### Liquid IT – Full Stack Engineer

May 2021 to Present – 29 Months

In my role at Liquid IT, I served as a Full Stack Engineer working closely to Integrate with a Solutions Architect. I specialized in streamlining processes and enhancing data accessibility. Together with a colleague, I developed an integrated platform that consolidated Project Management, Managed Services, and Procurement, resulting in significant efficiency gains.

### Live Scoring – Full Stack Contractor

December 2020 to March 2021 – 4 Months

In this contract, I revitalized a club sports scoring system in the Canterbury region. Initially abandoned by another developer, I took charge, enhancing and modernizing the system to meet contemporary security, design, and usability standards. The project involved working with raw JS, PHP, and an SQL server.

### Thirdweb – Cofounder

January 2020 to October 2020 – 10 Months

I co-founded Thirdweb with three friends, focusing on transforming news and journalism monetization by promoting reading time over clicks. We partnered with journalism outlets to access content behind paywalls and utilized a subscription model. We achieved notable success, reaching #1 in the world in the Pioneer Tournament and winning the New Zealand Finals of the Entrepreneurship World Cup: [Article](#)

---

## REFERENCES

Ready and Available on Request.  
Director of Liquid It, CEO of  
Thirdweb  
and Knowledge Management  
Consultant/Manager

## INTERESTS

- Free Diving
- CTFs and Cybersecurity events
- Plants and Tissue Culture
- 3D Printing
- Dungeons and Dragons
- All things Ocean
- Videogames

## Notable Projects

### Puddle

*React.js, Noide.js, JWT Auth, MSSQL, Azure, AWS*

Puddle, the Enterprise Resource Planning system I co-developed and implemented with another developer, represents a significant achievement. We streamlined several processes, including automating monthly billing through seamless integration with Xero. Our solution dramatically reduced the time required to translate supplier quotes for customers from 10 minutes to just 30 seconds. Moreover, we harnessed AI to extract and transform data from quotes, automatically populating the Puddle system. Additionally, we introduced an Outlook extension, enabling Procurement Specialists to create new solutions and import quotes without leaving the Outlook interface. The project spanned three years, resulting in a wide range of additional features. However, these highlighted functionalities are among the most remarkable and impactful.

### Automated Incident Brief – OpenAI

*Azure Logic App, OpenAI, Azure Function App, Node.js*

I've leveraged OpenAI and my Azure experience to create and integration that give suggested next actions for a tech when an incident in Azure is created. This is trained on existing courses of action for the company and previous incidents. All of this is done in a privately hosted version of OpenAI for security reasons.

### SonarGPT

*React.js, Node.js, OpenAI*

In a corporate environment, grasping all ongoing activities can be challenging for any individual. Enter SonarGPT, a pivotal step towards achieving a 'Jarvis'-like system. SonarGPT systematically scans our SharePoint, providing data efficiently in plain language, significantly streamlining data retrieval. Importantly, it also offers a secure space for confidential data sharing with our Large Language Model (LLM). Deployed to multiple stakeholders, it marks a significant success in our quest for a more efficient and secure workplace.

### GaragePi

*React.js, Node.js, Azure B2C, JWT Tokens, Azure IOT, Static Web App*

I created a website, backend, and raspberry pi code to allow me to open my garage door using my phone. Uses React.js, node.js for an Azure Function App Backend and node.js for the server on the Pi which is attached to my garage door's PCB. If you'd like to see it: [garagepi.site](https://garagepi.site)

### Automated Triangular Arbitrage

*Python, C++, AWS*

Established in 2016, this project employs Triangular Arbitrage with C++ code hosted in an AWS data center in Sydney, consistently achieving a 1% net return on trades.

---