

# Nathan Trung

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## Career Objective

I consider myself to be a dedicated and driven software development student with a strong foundation and skill set in web development, object-oriented programming and DevOps. Seeking an opportunity to apply my technical skills within a collaborative environment, particularly in the areas of front-end and full-stack development, whilst continuing to expand my knowledge in emerging technologies.

## Technical Skills

**Languages:** JavaScript, HTML, CSS, C++, C#, Java, Kotlin, Python, MySQL.

**Frameworks & Libraries:** React.js, Node.js.

**Web Development:** Responsive design, RESTful API integration, static and dynamic website creation, cloud deployment (Netlify, Firebase, AWS), CI/CD pipeline with GitHub, Jenkins and Docker.

**Networking and Cloud:** AWS services, Firebase services, network WAN configuration.

**Database Management:** MySQL, PHP integration for authentication and data seeding.

**Software Development:** Object-Oriented Programming (OOP) principles (abstraction, inheritance, polymorphism).

**Agile Methodologies:** Participated in Agile project development with a focus on sprint-based delivery on multiple occasions.

## Project Experience

### **Personal Website (2024)**

*Link:* [www.nathantrung.com](http://www.nathantrung.com)

**Role:** Web Developer

Developed a responsive portfolio website with React components, hosted on Firebase. Set up a full CI/CD pipeline using GitHub actions to automate the deployment process for both testing and production servers. Implemented SEO practices and ensured cross-browser compatibility for an optimal user experience

### **WhizKidTrains (2024)**

*GitHub Repo:* <https://github.com/NathanTrung/WhizKidTrains>

**Role:** Full-Stack Developer

Developed a hub-based Unity game hosted with WebGL and Firebase designed for autistic children as part of a year long capstone project, integrating mini-games, user login with Firebase as well as meticulous accessibility features. Implemented core game mechanics and the world the game exists within.

### **SwinDevOps (2024)**

*GitHub Repo:* <https://github.com/NathanTrung/SwinDevOps>

**Role:** DevOps Engineer

Developed a CI/CD pipeline for a two-page static website, deploying on test servers via Docker and on a production server via Amazon EC2. Implemented automated testing and deployment through GitHub Repository and Jenkins to deploy to AWS EC2 instance.

**SwinBull (2023)**

GitHub Repo: <https://github.com/NathanTrung/SwinBull>

**Role:** Full-Stack Developer

Developed a cryptocurrency asset exploration platform utilizing the CoinGecko API. Implemented dynamic React components for real-time asset tracking with Javascript, Node.js and RESTful API calls.

**N/A Movies (2022)**

GitHub Repo: <https://github.com/NathanTrung/N-A-Movies>

**Role:** Full-Stack Developer

Developed a PHP and MySQL web application for online movie ticket booking, storing movie details and enabling user browsing and ticket reservations. Implemented essential features like user data collection, order management and form validation to ensure data integrity within the database.

**Professional Experience****Fresh Vibes Café**

**Duration:** February 2023 - Present

**Role:** Barista/Café all rounder

**Location:** 61 Dohertys Rd, Altona North 3025

- Part-time role focused on coffee preparation and service.
- Additional Responsibilities include stock counting, inventory replenishment, customer service and cash handling.

**McDonalds Sunshine**

**Duration:** January 2022 – May 2023

**Role:** Shift Supervising Manager

**Location:** 396 Ballarat Rd, Sunshine North 3020

- Led the drive-thru team to achieve a #1 national ranking in Australia, maintaining 100% order accuracy and efficient service standards.
- Optimized drive-thru operations to handle 70 cars per hour, with peak performance highlighting 21 of these cars being served in just 15 minutes.
- Led shift operations, managing both crew (8+ members) and resources to optimize efficiency and service quality.
- Oversaw cash management and ensured adherence to food safety and quality standards.
- Allocated tasks and resources effectively to meet demand, maintain stock levels and deliver a seamless customer experience.
- Developed organizational skills and leadership qualities by coordinating team workflows and managing performance.

**McDonalds Swanston/Lonsdale**

**Duration:** July 2019 - May 2021

**Role:** Crew Member

**Location:** 275 Swanston St, Melbourne 3000

- Prepared and assembled food items according to company standards, ensuring quality and consistency in a high-paced environment.
- Maintained food safety and hygiene practices, contributing to a safe and compliant workspace.
- Managed stock and supplied within the kitchen, assisting with inventory control and replenishment.

## **Education**

### ***Tertiary Education***

#### **Bachelor of Computer Science (Double Major in Software Development and Internet of Things)**

**Duration:** 2022 - Present

**Location:** John Street, Hawthorn VIC 3122

- **Software Development:** Strong programming skills in Java, C#, Kotlin and C++ with a focus on Object-Oriented Programming principles like encapsulation, inheritance and polymorphism.
- **IoT and Networking:** Hands on experience building IoT systems, circuit design and networking protocols, including network administration and switch management.
- **Cloud Services and DevOps:** Proficient in AWS and Firebase, integrating tools like Docker and Jenkins into CI/CD pipelines for automated testing and deployment.

#### **Bachelor of Business/ Information Technology**

**Duration:** 2021- 2022

**Location:** 1 Wellington Road, Clayton 3168; Monash University

- **Financial Accounting:** Gained practical and theoretical accounting knowledge, emphasizing real-world application of the Conceptual Framework.
- **Microeconomics:** Built foundational knowledge of economic principles, focusing on supply and demand dynamics.
- **Web Development:** Gained proficiency in HTML, CSS, PHP and JavaScript to create responsive and structured web applications.
- **Introduction to Programming:** Established programming fundamentals in Java, covering key Object-Oriented Programming concepts like encapsulation, inheritance and polymorphism.

### ***Secondary Education (2014- 2020)***

#### **St Albans Secondary College**

**Duration:** 2019 - 2020

**Location:** Main Road East, St Albans Victoria 3021

- Developed a strong foundation in critical thinking and analytical skills through coursework.
- Completed VCE with an ATAR of 74, completing subjects such as; Legal Studies, Economics, Physical Education, English and Mathematics.

#### **John Fawkner Secondary College**

**Duration:** 2016 - 2018

**Location:** 51 Jukes Road, Fawkner Victoria 3060

#### **Collingwood College**

**Duration:** 2014 - 2015

**Location:** Corner Cromwell Street and McCutcheon Way, Collingwood Victoria 3066

### ***Primary Education***

#### **Ascot Vale West Primary**

**Duration:** 2007-2013

**Location:** 8 Langs Road, Ascot Vale Victoria 3032

### **Additional Skills**

- Accomplished interpersonal and communication skills
- Capable of working under pressure
- Works well in a team and independently
- Excellent work habits with attention to details at all times
- Punctual and reliable; will undertake a high level of responsibility
- Self-motivated, determined and dedicated.
- Agile project management, experience with working within Agile sprints and delivering on project timelines
- Software Testing, implemented test cases using principles of metamorphic and unit testing

### **Personal Achievements**

#### **Employee of the Month**

**Date:** March, April and May 2022

**Organization:** McDonalds Sunshine

#### **Rookie of the Year**

**Date:** 2019

**Organization:** McDonalds Swanston/Lonsdale

### **Activities & Societies**

#### **MCCC Club**

**Duration:** 2021 - 2022

**Role:** Member

- Club for connecting and networking with fellow university students through organized events

#### **Football Federation Australia (FFA)**

**Duration:** 2016 - 2018

**Role:** Volunteer

- Ball Boy for Melbourne City Football Club and Australia National Team, operating in front of 1000's of clientele.

#### **Whittlesea Ranges FC - Fawkner SC - Richmond SC**

**Duration:** 2015- 2019

**Role:** Soccer Player

- Completed primarily at a high level in the National Premier Leagues, demonstrating advanced skills and tactical understanding of the game
- Developed strong teamwork, discipline and commitment to sportsmanship through competitive play in local and regional leagues
- Enhanced interpersonal skills through collaboration with teammates and coaches, fostering a supportive and positive team environment