

JAMES MULLANE

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PROFILE

Computer Science and Economics conjoint student at the University of Auckland with experience building full-stack web applications, automation tools, Shopify integrations, APIs, and developer infrastructure. Strong interest in software engineering, backend systems, automation, data-driven products, and practical problem solving. Experienced with TypeScript, Python, React, Next.js, Flask, SQL, CI/CD, and Git-based team development.

EDUCATION

University of Auckland - Bachelor of Science / Bachelor of Commerce Conjoint **Feb 2023 - Dec 2026**
Majors: Computer Science and Economics

Rutherford College - NCEA Levels 1, 2, and 3 **Feb 2018 - Dec 2022**

TECHNICAL SKILLS

Programming Languages: Python, Java, TypeScript, JavaScript, C#, SQL, HTML, CSS
Frameworks and Libraries: React, Next.js, Node.js, Flask, .NET, Pandas, Tailwind CSS, Jest
Tools and Platforms: Git, GitHub, Prisma, Shopify API, REST APIs, GraphQL, Excel, CI/CD pipelines
Certification: Datacom Software Development Job Simulation

PROJECTS

Human Nutrition Unit Website - Capstone Project

- Led a team of 6 developers to build a user-facing website for a research institute.
- Managed DevOps workflows, including database migrations, CI/CD pipelines, and independent developer database environments.
- Contributed to backend architecture decisions, database design, API implementation, and frontend integration.

Shopify Label Printing Desktop Application

- Built a desktop application connecting Shopify order data to Brother B-PAC label-printing software.
- Automated label population and one-click printing, reducing the need for manual label editing.
- Added editable fields to support custom order requests and last-minute changes.

CSV to Shopify Schema Language

- Created a custom schema-processing tool to transform supplier CSV files into Shopify-ready product data.
- Built functionality for renaming columns, applying margins, and modifying product data before Shopify upload.
- Added AI-assisted title generation to improve product naming and reduce manual product-entry work.

Facebook Marketplace Automation Tool

- Developed automation software that reads product information from Excel and creates Facebook Marketplace listings.
- Automated repetitive listing tasks by controlling browser interactions and improving listing consistency.

Personal Portfolio Website

- Created a responsive portfolio website to showcase projects, skills, and software development experience.
- Used REST and GraphQL data methods through API service managers to manage data inputs.

Linux User Group Website - WDCC

- Working in a team of 11 developers to build a website for the University of Auckland Linux User Group.
- Implemented an RSS feed for club updates and contributed to frontend development and Git-based team workflows.

EXPERIENCE

Co-founder - Cosmoshop **Jul 2023 - Present**
Co-founded and operate an e-commerce watch business, managing online sales channels, supplier relationships, and technical systems.

- Built and launched the online store www.cosmoshop.co.nz.
- Managed 4 sales channels: website, Trade Me, Chrono24, and Facebook Marketplace.
- Negotiated with UK and EU brand distributors, including Seiko Group, ILG Group, Guardo, Sweetyears, and others.
- Built automation and integration tools to improve product listing, order processing, and fulfilment workflows.
- Created and managed marketing campaigns across Meta platforms and supported customer service operations.

Web Developer - Nuttall Henderson Jewellers **Feb 2021 - Dec 2022**

- Designed and developed a Shopify website to improve the company online sales presence.
- Migrated product data and information from WordPress to Shopify.
- Debugged website errors and provided general technical support.

Crew Member - McDonald's **Feb 2022 - Feb 2023**

- Developed teamwork, communication, time-management, and customer-service skills in a fast-paced environment.
- Followed strict quality, food-safety, and sanitation standards.