Cody Ross - Software Developer

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Voracious learner keen on developing, maintaining and designing software.

Skills

Used in Projects: **Tools** – Git | Github | Netlify | Heroku | Docker | Jest | TDD | CI / CD

Front - Typescript | Javascript | React | Redux | HTML5 | CSS3 | SASS | D3

Back - Node | Express | PostgreSQL | MongoDB | RESTful API | GraphQL | Bcrypt | Passport

Education

· **Master of IT: Computer Science**, University of Southern Queensland, *to graduate* 2024

· **Bachelor of Biomedicine**, University of Melbourne, 2017 - GAMSAT Medical Admissions: Top 0.8%

· ATAR Australian Tertiary Admissions Rank: 99.80

Projects - [Portfolio Site](#)

Weightlifting Log - [Source Code](#) - [Video Clip](#) - [Live Site](#)

An application for tracking and visualising weightlifting data

· Built a RESTful API with the PERN stack, interacting with a PostgreSQL database.

· Optimised queries to complex SQL database with over 30 tables, reducing response time to under 300ms.

· Encrypted user data with Bcrypt and managed client sessions with PassportJS.

· Built dynamic Graph and Calendar widgets with D3 and ChartJS for visualisation and analysis of data.

My Fitness Store - [Source Code](#) - [Video Clip](#) - [Live Site](#)

An eCommerce demonstration with login authentication and order submission to database

· Built a GraphQL API with the MERN stack, interacting with a MongoDB database.

· Styled with Bootstrap and CSS, responsive for mobile screens through to 4K.

· Features pagination, form validation and a functional shopping cart.

Sheet Music Generator - [Source Code](#) - [Video Clip](#) - [Live Site](#)

A tool for practicing piano fundamentals and teaching sight reading

· Utilised web fonts, unicode and the Audio API to build a sheet music engine with no dependencies.

Arhythmetic - [Source Code](#) - [Video Clip](#) - [Live Site](#)

An application for training basic arithmetic skills

· Focused on appropriate use of gridboxes and CSS animation to achieve a functional layout.