

# Cody Ross - Software Developer

*Voracious learner keen on developing, maintaining and designing software.*

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## Skills

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

**Front** - Typescript | Javascript | React | HTML5 | CSS3 | SASS | Figma | D3 | Rust | Yew

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

## Projects - [Portfolio Site](#)

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**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

**Portfolio in Rust** - [Source Code](#) - [Live Site](#)    

- Minimised site bloat and optimised file formats, reducing download size by 50%
- Built with the Yew framework, an exact port of React to the Rust language

**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.

## Education

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- Bachelor of Biomedicine, University of Melbourne, 2017 - GAMSAT Medical Admissions Test: Top 0.8%
- ATAR Australian Tertiary Admissions Rank: 99.80