Cody Ross

E-mail: cody@cody-ross.net
GitHub: github.com/co-decode
Website: cody-ross.net

SKILLS

Tools - VC: Git , Github | TDD: Jest , Cypress | CI/CD: Netlify , Railway , Github Actions
Front-End - Typescript | Javascript | React | HTML5 | CSS3 | Figma
Back-End - Node | Express | PostgresQL | MongoDB | RESTful API | GraphQL

OPEN-SOURCE PROJECTS

Bugheist.com - Contributor   Commits - Issues - Code - Site   Tailwind | Bootstrap | Django
The OWASP Foundation's Bug Logging Tool, encouraging everyone to help fix and secure the internet
- Building and styling components to design specification and fixing UI bugs.

PERSONAL PROJECTS

Weightlifting Log   Code - Video - Site   React | Postgres | Docker | Jest | D3 | bCrypt
An application for users to track and visualise their weightlifting data
- Optimised response times on modest server resources with efficient SQL queries to database with over 30 tables.
- Secured user data with bCrypt and managed client sessions with PassportJS.
- Built graph and calendar components with D3 and ChartJS for visualisation and analysis of data.

My Fitness Store   Code - Video - Site   Typescript | React | Node | MongoDB | GraphQL
An eCommerce demonstration with functional shopping cart and order submission to database
- Designed to be fully responsive, with login authentication and form validation.

Connect Four Game   Code - Video - Site   Typescript | React | NextJS | Socket.io | Cypress
A serverless demonstration of web sockets and a continuous integration workflow
- Fully end to end tested, automated to run on each push to repository.

Sheet Music Generator   Code - Video - Site   Javascript | CSS
A tool for learning to read and play sheet music
- Crafted authentic sheet music visuals with specialised fonts and animation.
- Synthesised audio with the native Audio API to play the generated sheet music.

EDUCATION

Master of IT: Computer Science - University of Southern Queensland   *ongoing*
Including: 9 units on Software Development, 7 units on Network Engineering

Bachelor of Biomedicine - The University of Melbourne   **2017**
Including subjects on: Linear Algebra, Statistics, Physics, Chemistry

HOBBIES   *I enjoy dabbling in:*

Linux, Bash, C, Rust, Assembly, groff and self-hosting my own website and email server.

WORK EXPERIENCE

Early Learning Specialist   **2018 - 2022**
Remediating young students disadvantaged by Dyslexia or other learning difficulties

Senior School Tutor   **2014 - 2022**
Teaching Mathematics, Technology, English and the Sciences

ACHIEVEMENTS

GAMSAT Medical Admissions Test   Top 0.8%

ATAR - Australian Tertiary Admissions Rank   99.80 - Top 0.2%