

Dec Kolakowski

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ABOUT

I am a software developer, a TDD enthusiast and an evangelist for clean code. I graduated with a first class degree from Trinity College in Musical Composition. I have worked coding solutions for charitable causes, creating tools software for 3D and music applications and participating in technology driven games and arts projects.

SKILLS

JavaScript: Vanilla JS, React, Node.js, Express, Cypress, Jest, Mongoose

Databases: SQL, MongoDB, PostgreSQL

Python: Unittest, Pipenv, Flask, SQLAlchemy, Pytest

Rust: Cargo, Test, Rand

Ruby: RSpec, Capybara, Rails, Sinatra, Active Record

Testing: TDD, BDD, Spec / AAA Test Patterns

Web Development: API creation, Full stack, Single Page Web Apps, HTML, CSS

EDUCATION

Makers Academy (April 2020 to July 2020)

- Fullstack web development
- Effective remote working
- Object oriented design
- Agile methodologies
- Test driven development
- Ruby, JavaScript, Python

Trinity College (September 2011 to June 2015) - First Class Honours

- Musical Composition (Orchestral and Electro-acoustic).
- Created or participated in a range of collaborative arts projects.
- Created professional recordings and integrated technology with music.

PROJECTS

Re-Engage Charity Organiser Portal

A fully integrated tooling environment developed for the UK registered charity Re-Engage to facilitate volunteer co-ordinators to organise events using a member management system and automated route planning.

Tech Stack: JavaScript, Node.js, MongoDB, Express, React, Google Maps API (Directions/Rendering), Lodash, Genetic Algorithms, Cypress, Jest

GraphWFC.rs

A generalised graph based implementation of Maxim Gumin's Wave Function Collapse algorithm.

Tech Stack: Rust, Cargo, Rand

Bank System

An implementation for the bank tech test kata with a focus on strong testing, good coverage and logical, clean code structuring.

Tech Stack: Python, Unittest, Mock, Pipenv

EXPERIENCE

Proofreader (2015 - 2020)

I ran a successful proofreading and tutoring business for five years which focussed on providing high quality proofing services to overseas students and academics looking to publish work in the UK.

- Proofread for leading academics and science journals most notably the International Journal of Thermophysics.
 - Frequently proofed documents in the range of 10-20 thousand words within a 24 hour turn around period.
 - I ensured that over 90% of my clients made a gain of at least two grade boundaries between assignments while working with me.
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INTERESTS

- I am a long time meditator. I have trained in the Transcendental, Vipassana and Dzogchen traditions.
- I run a collaborative music video club on discord in which a community of music video lovers come together to experience cross cultural music.
- Yoga and running.