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# ROBBIE KIRKBRIDE | SOFTWARE DEVELOPER

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[GitHub](#) | [Website](#) | [Blog](#) | [LinkedIn](#)

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## PROFESSIONAL SUMMARY

As a Software Developer and former Civil Engineer for 5 years, I'm driven by a passion for tech, continuous learning, and making positive impacts. I'm a proactive, language-agnostic coder with a knack for rapidly acquiring new skills and am looking to bring my professionalism to a new role.

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## CORE COMPETENCIES

Languages	TypeScript, JavaScript, HTML, CSS, Ruby, Python
Libraries/frameworks	React, Node.JS, Express.JS, Tailwind, Jest, Cypress, RSpec, Sinatra
Architecture	MCV, Microservices, REST, SPA
Tools	MongoDB, PostgreSQL, GitHub, JWT, Postman, Trello

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## EXPERIENCE

### Makers Academy - October 2022 to February 2023

[Ecoliday](#) - MongoDB, Express.js, React, Node.js, JWT, Tailwind, Jest, Cypress ([GitHubB](#))

- Eco-conscious travel planner created during my two week Makers final project in a five person Agile team with sprints, stand-ups, retros and daily pair programming.
- Built with the MERN stack using GitHub for Version Control. I used my pragmatic mindset to tailor the MVP and tickets to ensure delivery of a consistently usable product.
- Created a REST API that called three third party APIs (climatiq, geoapify, google maps), with a total of eight calls made per search.

[Frontleft](#) - TypeScript, MongoDB, Express.js, React, Node.js, JWT, CSS, Jest, Cypress ([GitHub](#))

- A festival planner app developed with TypeScript, featuring integrated CI/CD pipelines.
- Built from the ground up with the MERN stack, implementing JWT authentication, Bcrypt password encryption, Sendgrid email notifications and file uploads with Multer/Sharp.

### COWI UK - Engineering Consultant - January 2018 to October 2022

- Proven Project Manager, adept at stakeholder engagement, client expectation management, program oversight, and quality assurance, continually adhering to ISO standards.
- Developed in-house design software tools in VBA, using Git for version control.
- Used Python to analyse Point Cloud Survey datasets of structures to offer savings to clients.
- Processed topographical data using MATLAB to streamline design calculations.
- Co-founded an interoffice network that organised conferences, technical and social events.
- Delivered the design of a [300m tall mast](#) with 33% less CO2e than the initial proposal, with additional cost and programme savings, despite working under intense time pressure.
- Led development of FEA models and fatigue analysis of the [Mumbai Trans Harbour Link](#).

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## EDUCATION

### Makers Academy - Coding Bootcamp - October 2022 to February 2023

- Focus on language-agnostic development by building strong self-directed study skills and best practices such as test-driven development, version control and agile methodologies.
- Excelled due to my strong analytical thinking and systematic approach, both in planning and production, establishing watertight TDD processes and debugging techniques.
- Communicated complex content methodically and concisely whilst pairing and working in Agile teams, a skill fostered as a Project Manager at COWI.
- Signed up to the mentoring scheme, as I carried forward my trait of leadership from COWI.

### University of Bristol - Civil Engineering, MEng (First Class) - 2013 to 2017

Marlborough College - A level: Maths (A\*), Further Maths (A), French (A), Physics (B)

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