

# Edward Miles

## Full-Stack Software Developer

I am a self-taught full-stack software developer looking for an exciting new position. I have experience working with Python, TypeScript, React, and AWS to create, deploy, and maintain scalable and performant applications.

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## EXPERIENCE

### Minviro Ltd, London — Full-Stack Developer

October 2021 - Present

- Responsible for the full software development lifecycle, from planning to deployment, of a bespoke, highly customised data visualisation tool, written in TypeScript, using React and D3, and deployed on AWS cloud computing infrastructure.
- Collaborated with academics to integrate the ‘circular footprint formula’ recycling methodology into a SaaS tool for calculating the environmental impacts of mining operations.
- Worked both independently and as part of a team of developers in a fast-paced environment to implement new features for existing applications using the Kanban agile methodology.
- Ensured code quality through unit testing, TDD and rigorous code reviews.
- Helped junior hires develop through mentoring, pair programming, and learning sessions.

### Financial Ombudsman Service, London — Investigator

August 2019 - July 2021

Worked as part of a team to resolve consumer complaints about financial institutions in line with Financial Conduct Authority guidelines. Highly technical work which required high attention to detail, negotiation skills, and the ability to communicate complex ideas clearly.

## KEY SKILLS

- **Python** - Experienced writing clean, robust, adaptable and reusable “pythonic” code through the utilisation of object-oriented design principles, and in line with the PEP8 style guide. Proficient with many common Python libraries including Flask, Django, FastAPI, Numpy, Pandas, Scikit-learn, and OpenCV.
- **JavaScript / TypeScript** - Competent with the latest ECMAScript features and comfortable working with many JavaScript libraries and frameworks like ReactJS, NextJS, D3.js, Lodash, Chart.js and ReCharts, plus common component libraries such as MaterialUI and Radix.
- **AWS Cloud Computing** - Well practised in using various AWS cloud compute services, such as; deploying EC2 instances and Lambdas; creating front-end applications with Amplify; setting up container clusters with ECS; storage solutions with DynamoDB and S2 buckets; and authentication with Cognito.
- **Database management** - Familiar with utilising both relational and non-relational databases.
- **Version Control (Git, Github)**
- **Docker**

## EDUCATION

### University of Stirling, Scotland — BA(Hons) Degree, Philosophy, 2.1

Intellectually challenging degree requiring a high level of reasoning, problem solving and comprehension skills, as well as clear presentation of ideas. With additional modules in Logic (1st), Data Skills (1st) and Statistics (1st).