

Cameron Mackenzie

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Current role	Senior Software Engineer at Urban Jungle
Experience	Fintech, Insurance
Technologies	AWS, Kubernetes, Python, Postgres, Angular 8+, TypeScript, C#, Jenkins, Azure, .NET Core

Work experience

Senior Software Engineer, [Urban Jungle](#)  Jun 2024 – Present (2m)

Making insurance fair for everyone
Fintech · Insurance

- AWS
- Kubernetes
- Python
- Postgres
- Angular 8+

- Mentored new team members as a technical guide, providing code review and guidance on coding practices and conducted interviews for junior developer roles, collaborating with the team to hire top talent
- Managed and executed a feature implementation involving intricate business logic, data, and strategic considerations

Software Engineer, [Urban Jungle](#)  Nov 2023 – Jun 2024 (7m)

- AWS
- Kubernetes
- Python
- Postgres
- Angular 8+

- Worked cross-functionally to ship Urban Jungle's first white label product: Coop Renters Insurance, leading on delivery of a key user journey in short timeline, with end to end testing in place to allow confidence in continued functionality
- Delivered key change to flagship product, refactoring multiple microservices to handle new requirement in a timely manner
- Enhanced developer experience and testing by developing internal CLI tooling

Graduate Full-stack Engineer, [Aviva](#)  Sep 2022 – Nov 2023 (1y 2m)

- AWS
- TypeScript
- C#
- Postgres
- Jenkins
- Azure
- .NET Core
- Angular 8+

- Collaborated with a small, agile team to develop critical internal applications in C# (Blazor and ASP.NET Core 6) and TypeScript (Angular) for over 1000 users
- Utilized AWS CLI and SDK with state machines to manage cloud resources such as EC2, SQS, Lambda, and CloudWatch
- Proposed and implemented Playwright end-to-end testing, integrated into CI/CD pipeline, reducing manual testing errors and deployment times
- Enhanced type-safety in Angular codebase for new features, moving towards full strict mode incrementally for a more robust codebase
- Prototyped and presented a React Native mobile app integrating a 3rd party API in a sustainability competition

Education

University of York

Jan 2017 – Jan 2021 (4y)

Undergraduate (2.1) Master of Chemistry, Chemistry

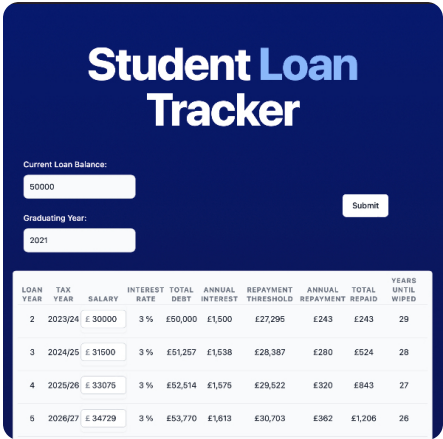
- Four-year integrated Master's programme, completing an industrial placement in computational chemistry in the final year for the Master's project.

Snippets

Student Loan Tracker @ [student-loan-tracker.vercel.app](#)
Technologies: React, Next.js, tRPC, TailwindCSS, Github Actions

I have built a web app to demystify student loans. From 2023, new students are making payments for 40 years, a change that needs attention. The loans are now a more consequential financial decision, and it is increasingly difficult to assess the value of a student loan. The app projects loan balance, with interactive editable rows and graphs showing nominal vs real data, for visualisation of future payments.

I took a mobile-first approach when designing the layout using TailwindCSS's responsive design paradigms to ensure accessibility.



Take home pay calculator @ [github.com](#)
Technologies: Python, FastAPI, AWS, Docker, Github Actions

A RestAPI for calculating take-home pay after tax and national insurance using FastAPI, dockerised in AWS. Currency handling uses a pip package to ensure accurate rounding. I learnt Object-oriented design and unit tested of all individual calculations.

Food Blog @ [coeliacducky.com](#)
Designed and implemented blog site for food reviews, with self-hosted CMS and admin dashboard to manage content on the site. Static site generation is used in Next.js to ensure smooth navigation for content that doesn't change very frequently



More about me

Interests

Ask me about where I've been walking, or if you have a while then what I've been cooking!