

Ian Vexler

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Software Engineer

Full-stack software engineer with professional experience building **production web applications, backend services, and APIs** using **C#/.NET, React, Ruby on Rails, Python and TypeScript**. Experienced working across different technologies, **owning features from design to deployment**, and delivering reliable software solutions.

WORK EXPERIENCE

The Curve Consulting

Software Engineer • 09/2025 - Present

- Develop and deliver production web applications using **Ruby on Rails, ASP.NET, React and React Native**, contributing across backend services and frontend features.
- Design and implement **RESTful APIs** supporting scalable, maintainable backend services.
- Serve as **lead developer** and **primary client contact** on multiple projects, managing requirements, technical decisions, and delivery.
- Write and maintain **automated tests** using **RSpec, Vitest**, and **xUnit** to ensure reliability and stability across backend services and frontend features.
- Incorporate **AI coding assistants** such as Cursor into daily development workflows, accelerating prototyping and improving productivity across the team.

Junior Software Engineer • 07/2023 - 09/2024

- Completed a Year in Industry contributing to **multi-sector client projects**.
- Worked with existing APIs and databases to implement features within production systems.
- Collaborated closely with clients, product stakeholders, and senior engineers within **Agile teams** to translate business requirements into technical solutions.
- Developed, tested, and deployed **production features** within established codebases.

EDUCATION

University of Sheffield • 09/2021 - 07/2025

BEng Software Engineering w/ Year In Industry • 1st Class Honours

- Built a strong foundation in software engineering, programming and data-driven machine learning through academic projects.
- **Software Hut Prize** – Recognised for outstanding software development on a real-world client project.

SCHOLARSHIPS

International Merit UG Scholarship • 09/2021

University of Sheffield

SKILLS

Languages: Python, TypeScript, Ruby, C#, JavaScript

Backend: Ruby on Rails, ASP.NET, Node.js

Frontend: React, React Native, Expo

Databases: PostgreSQL, MySQL

Testing: RSpec, Vitest, Jest, xUnit

Tools & Delivery: Git, CI/CD, Jira, Agile

PROJECTS

Texmo Industries Application Hub

- Developed an enterprise system using **C# ASP.NET and React**, replacing third-party tools used across a multinational manufacturing organisation.
- Implemented backend components in an ASP.NET application, handling business logic and system integration through APIs.
- Worked across the **full delivery lifecycle**, collaborating with stakeholders from requirements capture through deployment and ongoing maintenance.

Swaya Student Engagement App

- Designed and implemented **Ruby on Rails backend services** powering a cross-platform mobile application used by **5,000+ students** across England.
- Developed backend **ingestion services** to **process, normalise, and persist data** from multiple institutions, supporting personalised survey generation at scale.
- Built and maintained **RESTful APIs**, survey generation services, and real-time engagement features.
- Integrated the **mobile application** with backend services using React Native and Expo.

ARC 360

- Developed a **full-stack 360 feedback platform** using Ruby on Rails and React, **incorporating AI-powered analysis** to transform qualitative survey responses into actionable insights.
- Designed and implemented **multi-step AI processing workflows** using structured outputs, validation layers, and **LLM integration patterns** to improve reliability and consistency.
- Applied embeddings and clustering techniques to identify recurring themes across large volumes of feedback data, improving insight generation and personalisation.
- **Led development through final delivery stages**, managing client communication, requirements refinement, and preparation for production pilot release.

OTHER ACTIVITIES

Model United Nations

Participated in multiple local conferences and an international event in New York, where I received a Best Delegation award. Assisted in organising MUN conferences, gaining experience in public speaking, negotiation and event coordination.

Live Musician

Performed at local music venues and events as part of an independent band, contributing to promotion, event coordination, and building relationships with venues while developing teamwork and confidence in live performances.