

# Ian Vexler

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Sheffield, UK • Available to relocate

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## Software Engineer

Full-stack Software Engineer with professional experience building production web and mobile applications using Ruby on Rails, React and React Native. Experienced in designing RESTful APIs and structuring maintainable Rails applications supporting production systems. Built and evaluated data-driven systems and optimisation workflows, incorporating model outputs into functional applications.

## WORK EXPERIENCE

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### The Curve Consulting

#### Software Engineer • 09/2025 - Present

- Develop and deliver full-stack web and mobile features across client projects using Ruby on Rails with Stimulus and React, contributing to production systems.
- Design, implement and integrate RESTful APIs supporting scalable, maintainable applications backed by PostgreSQL and MySQL.
- Work directly with clients to gather requirements and translate them into technical solutions, contributing to feature delivery from specification through deployment within Agile environments.
- Leverage modern AI-assisted development tools to prototype features and improve implementation efficiency.

#### Junior Software Engineer • 07/2023 - 09/2024

- Completed a year in industry contributing to multi-sector client projects and internal tooling within an Agile delivery environment.
- Collaborated closely with engineers and clients to deliver bespoke software solutions, supporting both client-facing systems and internal tools.
- Supported the development, testing and deployment of production features, gaining hands-on experience with real-world codebases.

## EDUCATION

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### 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.

## SCHOLARSHIPS

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### International Merit UG Scholarship • 09/2021

University of Sheffield

## SKILLS

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**Programming:** TypeScript, Ruby, Python, Java, C#

**Frameworks:** Ruby on Rails, React, ASP.NET, React Native, Expo, Stimulus

**Tools:** MySQL, PostgreSQL, MongoDB Jira, GitHub, Cursor

**Platforms:** MacOS, Windows, Linux (Debian Ubuntu)

**Languages:** Spanish (Native), English (C2)

## PROJECTS

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### Swaya Student Engagement App

- Designed and implemented Ruby on Rails backend services powering a cross-platform mobile application used by over 5,000 students across England.
- Built RESTful APIs and survey generation services based on user data, along with real-time engagement features used in production.
- Built backend ingestion services to process and normalise institutional data from multiple schools, persisting records powering personalised survey generation and the mobile app.

### Automated Fantasy Football

- Designed and built a machine learning system to predict Fantasy Premier League performance and automate squad optimisation.
- Engineered data preprocessing pipelines and evaluation frameworks to handle multi-season time-series datasets efficiently.
- Developed multi-stream LSTM models in Python using TensorFlow, benchmarking performance against baseline and official metrics.
- Designed optimisation logic and simulation engines to automate squad selection under real-world constraints.

### Texmo Industries Application Hub

- Developed backend services within a C#/.NET enterprise system replacing third-party tools for a multinational manufacturing group.
- Contributed to system architecture, database integration, and reusable component design under strict enterprise constraints.
- Worked across the full delivery lifecycle, from requirements capture and system design to deployment and maintenance within production environments.

## OTHER ACTIVITIES

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### 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, developing teamwork, creativity and confidence in live performances.