Ian Vexler
Software Engineer

Contact

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Github
https://github.com/ianvexler

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Portfolio
https://ianvexler.com/

Technical Skills

Programming
Ruby, Java, Python, C#, TypeScript

Frameworks
Ruby on Rails, React, React Native, ASP.NET, Expo

Tools
MySQL, PostgreSQL, MongoDB, Pandas, TensorFlow, Jira

Platforms
MacOS, Windows, Linux (Debian Ubuntu)

Languages

Spanish

English

Graduate Software Engineer with professional experience delivering web and mobile systems across multiple sectors. Strong foundation in full-stack development, with academic focus on data-driven systems and machine learning.

Experience

Sep. 2025 – now	**Software Engineer**
The Curve Consulting	Returned to the company in a permanent role after a successful internship. Currently delivering software solutions across healthcare, education and industrial sectors, collaborating closely with teams and clients.

Jul. 2023 – Sep. 2024	**Junior Software Engineer**
The Curve Consulting	Completed a year in industry, supporting multi-sector client projects and gaining hands-on experience in agile delivery and software development. Worked across six projects, engaging closely with clients and contributing to bespoke software solutions.

Key responsibilities

- Delivered full-stack web and mobile features across multiple client projects using React, Ruby on Rails and ASP.NET, including writing and maintaining automated tests
- Worked directly with clients to capture requirements and translate them into technical solutions
- Contributed to Agile delivery across multiple concurrent projects

Education

2021 - 2025	**BEng Software Engineering w/ Year In Industry**
University of Sheffield	**1st Class Honours**
	Award:
	- Software Hut Prize: Recognized for outstanding software development for a real-world client.
	Built a strong foundation in software engineering, programming and data-driven machine learning through academic projects.

2020	**International Foundation Year Programme**
NCUK	**Chemistry (B), Mathematics (A*), Physics (A)**
	Completed an engineering foundation programme equivalent to A-Levels, developing core knowledge in engineering and mathematics to prepare for university studies.

Projects

Automated Fantasy Football

Machine learning system for predicting Fantasy Premier League performance and squad optimisation.
- Built and evaluated time-series ML models using historical player and match data, benchmarking against official and baseline metrics
- Developed multi-stream LSTM models and explored optimisation strategies including genetic algorithms and season-long simulations
- Built a strong foundation in applying machine learning and data-driven approaches to complex optimisation problems under real-world constraints

Swaya Student Engagement App

Cross-platform mobile application used by thousands of students across multiple colleges.
- Delivered core mobile features and supporting Ruby on Rails backend services for a React Native application
- Implemented real-time surveys, feedback tools and engagement features
- Learned to balance technical implementation with user experience and stakeholder requirements in a live product

WOOT – Live Interactive Quiz Platform

Interactive quiz platform built for educational use, enabling teachers to run live quiz sessions with real-time student participation.
- Built a Ruby on Rails application supporting live quiz sessions and real-time update
- Implemented real-time updates using Server-Sent Events (SSE)
- Awarded the Software Hut Prize for "outstanding real-world software development"

Texmo Industries

Internal enterprise system replacing third-party tools for a multinational manufacturing group.
- Delivered features within enterprise constraints, including strict deadlines and organisational requirements
- Contributed throughout the full delivery lifecycle, from requirements capture to deployment
- Designed and implemented a reusable front-end component library shared across applications

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