Ryan Bowler

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A passionate developer and professional problem solver with 10+ years in engineering, driven by a hunger for learning and a deep love for building things. Whether it's crafting a sleek frontend or diving into the nitty-gritty of the backend, I love what I do and I thrive on problem solving.

Projects

My Portfolio *(Astro, TypeScript, Tailwind)* - View Repo

Provides an in-depth look at my projects, professional experience, and personal background.

Dev Trainer *(TypeScript, React, Next.js, Express, MongoDB (Mongoose), Redis, Tailwind, OAuth 2.0, Gemini)* - View Repo

Master keyboard shortcuts through personalized lists. Features include custom shortcut organization, an admin panel for content management and AI for generating code snippets.

Better Spanish *(TypeScript, React, Next.js, Express, PostgreSQL (Drizzle), Tailwind)* - View Repo

Master Spanish faster with a focus on high-frequency words. Features include verb conjugation practice, flashcards with spaced repetition algorithms and personalized progress tracking.

Dymone *(TypeScript, React, Next.js, Sanity, Stripe, Tailwind)* - View Repo

An e-commerce site for a luxury jewellery online retailer, intergrated with Sanity as the CMS and Stripe to process payments and manage products.

Work Experience

Bruce Rock Engineering - *April 2022 to Jan 2023*

- Implemented new engineering design procedures to improve communication and quality of the final product
- Programmed and managed a suite of tools that automated a range of repetitive engineering design tasks
- Managing the engineering drawing processes as a whole

Mettler-Toledo - *August 2020 to Jan 2022*

- Maintaining and developing new and existing mechanical designs with the use of specialised 3D software
- Managed and evolved an assigned product range as an SME, providing technical guidance and driving design improvements
- Reviewing and auditing others' work to maintain a high design standard across the department

KMG - *June 2020 to August 2020*

Mettler-Toledo - *October 2019 to April 2020*

(Please visit my LinkedIn to view full career history)

Education

Equinium College
IT (Backend Development)

UniCourse Limited
Engineering (Manufacture)

Meta
Frontend Development Certification

Advanced Apprenticeship
Mechanical Engineering (Design)

Skills

Languages: JavaScript/TypeScript, Python, HTML/CSS

Frameworks/Libraries: React, Next.js, Astro, Node.js, MongoDB (Mongoose), Express.js, PostgreSQL (Drizzle), Redis, Sanity, Tailwind, SCSS, Bootstrap

Tooling: Git, GitHub, VS Code, Google (Gemini, OAuth 2.0), Vercel, Stripe

Soft Skills: Critical thinking, Problem solving, Self-motivating, Management, Hunger for learning