

# Ryan Bowler

[github.com/ryanbprog](https://github.com/ryanbprog) | [ryanbprog.com](https://ryanbprog.com) | [linkedin.com/in/ryan](https://linkedin.com/in/ryan)

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 working with backend logic, I love what I do and I thrive on problem solving.

## Projects

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### **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

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### **Bruce Rock Engineering** - *April 2022 to April 2024*

- 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

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### **Equinium College**

*Diploma of IT (Backend Development)*

### **UniCourse Limited**

*Diploma of Engineering (Manufacture)*

### **Meta**

*Frontend Development Certification*

### **Advanced Apprenticeship**

*Mechanical Engineering (Design)*

## Skills

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**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, Jest

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

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