

Toby Twigger

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Experience

Swytch

Lead Developer

September 2022 -

Present

London

- Led the full development lifecycle of a bespoke ERP system, including a live warehouse platform for stock management, international dangerous goods shipping, and stock forecasting.
- Architected a scalable solution enabling daily releases, rapid iteration, and real-time business intelligence - improving on-time deliveries from 30% to 70%.
- Replaced manual workflows using systems, allowing a reduction of stock overheads by £1M through a just-in-time stock pivot.
- Integrated AI to automate customer support and internal operations
- Oversaw project planning, infrastructure, and stakeholder communication, delivering a cohesive vision and enabling cross-team collaboration and rapid business impact.

ElbowSpace

Senior Full-Stack Developer

July 2021 - August 2022

Remote

- Lead development of a custom platform for Student Union membership management.
- Worked closely with customers and other developers to target features and prioritise development.
- As the first hire, I played an integral part in managing ElbowSpace, gaining a much wider experience of running a startup and the pitfalls involved.
- Analysed and assessed new technology for suitability in certain situations, making architectural decisions where necessary.

Jadu

PHP Web Developer

August 2020 - July 2021

Remote

- Worked in a small team to deliver bespoke sites to UK councils.
- Collaborated with the core CMS developers to ensure a smoother developer experience and quicker results for the customer.
- Took the initiative to improve tooling around the CMS, including adding Docker support and extending documentation.

Bristol Student Union

Systems Developer

July 2017 - July 2021

Bristol

- Developed multiple bespoke platforms and tools to reduce cost and friction in day-to-day work.
- Spotted and implemented process improvements throughout the organisation.
- Sole developer in a company of around 200 people, allowing me to gain a wide range of experience in many different areas and languages.

Consult Believe

Web Developer Internship

March 2018 - June 2018

Bristol

- Worked in a small team providing a consultancy service to several clients, using bespoke systems and well-known frameworks such as Drupal.
- Focused on customer success, providing a great service to customers whilst keeping our workload sustainable.

Education

University of Bristol

MSci (Hons) in Physics - 2:1

2015-2019

- Dissertation involved creating a machine learning algorithm to analyze data from the LHC

Torquay Boys' Grammar School
International Baccalaureate

2013-2015

- 37 points with highs in Maths, Physics and Economics

Technologies

Languages: PHP, JavaScript, Typescript, HTML, CSS, Python, SQL, Bash, Flutter, Kotlin, C#

Frameworks: Laravel, Vue.js, React, Tailwind

Tools: LLMs, Git, AWS, CI (Github Actions), PHPUnit, Jest, Webpack, NPM, Composer

Projects

Laravel Settings

A Laravel package to provide custom global and user settings

github.com/tobytwigger/laravel-settings 

- Built on my previous object oriented work to produce an extendable and testable codebase.
- Integrated with Vue.js using TypeScript and Jest in an NPM package.
- Wrote and managed the documentation for this project.

Laravel Translate

A Laravel package to provide instant, site-wide translation using external translation services

github.com/tobytwigger/laravel-translate 

- Implemented a selection of design patterns where appropriate to ensure ease of use and integration for other developers.
- Wrote a full test suite to improve robustness of the project.
- Released open source so others could benefit from my work.

Bristol SU Portal

A web-based platform to deliver a wide range of no-code services to students

<https://github.com/bristol-su/portal> 

- Saved over 50% of staff and student time for the reaffiliation of student-led groups.
- Took the project from an initial idea to deployment, and then continued to maintain to provide a high quality platform.
- Composed a set of in-depth technical documentation to ensure the continuation of the project.
- Pitched the project to external clients and garnered interest in the portal.

UniTruths

Student community hub management software

<https://uni-truths.com> 

- Volunteered to improve the maintainability of the code by implementing SOLID principles and improving the test suite.
- Managed the server to ensure the ~75000 monthly visitors can enjoy uninterrupted access to the website.

Additional

- I have been teaching myself programming languages for over 15 years, starting with books and a notepad and moving on to taking part in courses, reading other people's code and taking an interest in best practices to improve my skills.
- I am self-taught, and very confident independently researching and solving problems I face.
- I can pick up new systems, languages or technologies quickly and have regularly done so where I've needed a new technology for a project.
- I have a keen attention to detail, and can spot potential issues before they arise.
- I am very effective at prioritising workload dynamically to ensure all deadlines are met.
- I am able to work individually or as part of a team equally well.