Toby Twigger

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Experience

Swytch — September 2022 - **Present**
Lead Developer — *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 — July 2021 - August **2022**
Senior Full-Stack Developer — *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 — August 2020 - July **2021**
PHP Web Developer — *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 — July 2017 - July 2021
Systems Developer — *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 — March 2018 - June **2018**
Web Developer Internship — *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   *2015-2019*
MSci (Hons) in Physics - 2:1

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

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Torquay Boys' Grammar School   *2013-2015*
International Baccalaureate

- 37 points with highers 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   *github.com/tobytwigger/laravel-*
A Laravel package to provide custom global and user settings   *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   *github.com/tobytwigger/laravel-*
services   *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   *https://github.com/bristol-*
A web-based platform to deliver a wide range of no-code services to students   *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   *https://uni-truths.com* ☑
Student community hub management software

- 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.