

# Toby Twigger

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Senior full-stack developer specialising in PHP and JavaScript, with experience across start-ups, scale-ups, and public sector environments. Skilled in modern frameworks, with a track record of leading end-to-end projects, delivering measureable business impact and communicating across teams and stakeholders. Passionate about mission-driven projects that contribute to the public good.

## Experience

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### 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.
- Mentored a junior developer, enabling her to balance the value delivered to the company with personal growth.

### ElbowSpace

July 2021 - August 2022

*Senior Full-Stack Developer*

*Remote*

- Led 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.

## Technologies

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**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

## Education

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### University of Bristol

2015-2019

MSci (Hons) in Physics - 2:1

- Dissertation involved creating a machine learning algorithm to analyze data from the Large Hadron Collider.

### Torquay Boys' Grammar School

2013-2015

International Baccalaureate

## Projects

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### Laravel Settings

[github.com/tobytwigger/laravel-settings](https://github.com/tobytwigger/laravel-settings)

*A Laravel package to provide custom global and user 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.

### Signed URLs

[github.com/linkeys-app/signed-url](https://github.com/linkeys-app/signed-url)

*A Laravel package to provide signed URLs with advanced expiration settings and encrypted data*

- 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

[tobytwigger.github.io/projects/bsu](https://tobytwigger.github.io/projects/bsu)

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

- 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.
- Pitched the project to external clients and garnered interest in the portal.

### UniTruths

[uni-truths.com](https://uni-truths.com)

*Student community hub management software*

- Improved 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.

## Core Skills

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- **Self-directed learner:** Over 15 years of programming experience, from early self-study to applying best practices in professional projects.
- **Rapid technology adoption:** Consistently mastered new systems, languages, and tools to meet project needs, including AI integrations, ERP platforms, and modern front-end frameworks.
- **Collaborative and independent:** Thrive in both autonomous roles and cross-functional teams, mentoring junior developers and contributing to shared goals.
- **Proactive problem-solver:** Identify potential issues before they escalate, implementing solutions that improve efficiency and reliability.
- **Dynamic workload management:** Prioritise effectively in fast-changing environments to deliver on deadlines without sacrificing quality.