# Robin Hodge

Full stack software developer

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I'm a friendly full stack developer with a passion for learning new things. I'm a former maths and economics teacher and a STEM graduate, and I love puzzling over interesting problems, both professionally and in my spare time. I like keeping active, and I regularly go climbing, running, and play lots of football. I am also an enthusastic DJ, and play occasionally at festivals and in nightclubs (but mostly from my bedroom). My curiosity about development was fostered through working in a time poor profession such as a teaching – I made automated report writing assistants and timetabling systems, and a website for students to use to aid revision. I'm excited to shape this aptitude into a career as a software developer.

## TECH SKILLS

| | |
|---|---|
| Javascript | React.js |
| Node.js | Bootstrap |
| PHP | MySQL |
| Slim | Git |
| TDD | OOP |
| SOLID | RESTful APis |
| HTML | CSS |
| SASS | Agile |
| Scrum | Microsoft Excel |

## VOLUNTEER EXPERIENCE

**Bristol City Council** (02/2014 – 11/2016)
Appropriate Adult Volunteer

I attended police interviews to support vulnerable children who had been arrested. I advocated for their rights and welbeing, and ensured they understood what was happening, and seeked legal representation.

**Nthigirani Community Projects** (04/2012 – 04/2015)
Trustee

I oordinated fundraising events and maintained oversight over project funding for a sustainable development charity based in Bristol, but supporting projects in Kenya.

## LANGUAGES

**English**
Native speaker

**German**
Intermediate

**Mandarin Chinese**
Basic

## PROJECTS

### Food. Delivered
Front end React application

This react applicaiton allowed users to browse different restaurant menus and place an order. With a pre-made RESTful API, we accessed different endpoints using .fetch, and then udated the page accordingly by using state and effect hooks. I worked handling the initial fetch for the list of restaurants, and the order component, which had to be passed the different items values through props.

### Project Management API
OOP designed Restful API

This RESTful API was built using OOP, following SOLID principles, and provides multiple endpoints. We made use of the entity-hydrator design pattern to deal with the MySQL database, and the project had 100% test coverage using PHPUnit. I worked on the endpoints and the 'User' entity-hydrator pair, calling various methods and instantiating classes to format and send the HTTP response, including a try and several catches to gracefuly handle errors and exceptions.

## WORK EXPERIENCE

**Bristol Cathedral Choir School** (04/2014 – 12/2022)
Teacher of Mathematics and Economics

I taught secondary school maths and economics up to A-Level in an OFSTED outstanding school, and consistently achieved outstanding results well above school and national averages. On several occasions my results were the best in a high achieving maths department. I was the school lead on multiple professional development workgroups tasked with improving teaching and learning across different schools in the trust, and developed a reputation for my my warm, friendly manner, a consistent nurturing approach with the students, and creative problem solving.

**Major Bars Ltd** (09/2012 – 04/2014)
Manager

I lead a team of 15 staff in a busy cocktail bar. I learned about sales forecasting, organising the rota, cash reconciliation, bank deposits and stock purchases.

**North China Electric Power University** (09/2011 – 08/2012)
Lecturer

I lead on two modules, designing course content, marking work, and prividing feedback on coursework and termly assessments.

## EDUCATION

**Cardiff Universtiy** (01/2008 – 01/2011)
Economics and Philosophy
2:1

**The Universtiy of the West of England** (01/2015 – 01/2016)
PGCE Secondary Mathematics
Distinction

**iO Academy** (01/2023 – Present)
Full Stack Track