Robin Hodge

Full stack software developer

- Bristol, UK
- mrrobinhodge@gmail.com
- 07807274894
- robin-hodge.github.io
- robin-hodge
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I'm a friendly full stack developer, and I love learning new things. I'm a former maths and economics teacher and a STEM graduate, and I love puzzling over interesting problems. I like staying active, and regularly go climbing, running and hiking, and play football every week. 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 teaching- to try and save us all time, I made automated report writing assistants and timetabling systems that were used accross the school, and a website for students to use for revision. I'm excited to shape this prior interest and 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
Appropriate Adult Volunteer
(02/2014 – 11/2016)

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
Trustee
(04/2012 – 04/2015)

I coordinated 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
Frontend 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 updated 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 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.

EMPLOYMENT HISTORY

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

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.

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

I led 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.

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

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

EDUCATION

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

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

Economics and Philosophy
Cardiff Universtiy
(01/2008 – 01/2011)
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