

# DANIEL DAVIES

## Software Developer

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### SUMMARY

With over 3 years in the software development sector, I have honed my skills in various programming languages and have delivered high-performance applications. I am a highly motivated self-taught programmer and team-player who is committed to achieving excellence in this industry. I am often looking through open source codebases on github and documentation on the language, libraries or frameworks I am using in order to follow best practices and make my code high quality and easier to maintain.

### EXPERIENCE

#### Freelance Developer

**Upwork** 12/2021 - 03/2022    Manchester, UK

- I Developed a Live Scheduling bot for Discord to set events and alert members close to the time & Date.
- I wrote a script to automate logging into a website using python's selenium module, which then uploaded data from that website to populate a csv file.
- Worked based on existing, complex code bases to fix bugs and add new features where needed.
- I communicated effectively with clients and meet short deadlines for projects. This meant that I received 5 star ratings.

### EDUCATION

#### BSc Criminology

**University of Derby**  
09/2020 - 07/2023    Derby, UK

#### A Levels - B - Physics C - Maths C - Psychology

**Winstanley College**  
09/2018 - 07/2022    Wigan, UK

### COURSES

#### React, NextJS Course - Udemy

Covered all areas of React topics, this included: State Management, Context, Redux, Data fetching, Nextjs routing, Authentication and more.

#### Build your own Redis

I developed a fundamental understanding of how TCP/IP works. I learnt complex concepts making this in python, such as threading, concurrency, event loops and running a server.

### STRENGTHS

#### Highly Motivated

Being self-taught I have had to be motivated to be able to keep learning and improving and will continue to be in order to prove myself.

#### Communication

I have been able to communicate well even when it is hard to. For example, when freelancing not every client I spoke with was a native English speaker or knew software terminology well enough to describe what they want.

#### Time Management

Being able to set goals, maintain a schedule and prioritise what's necessary, are all skills that I learned during university or developed whilst learning to code, which I will bring to any stressful environment.

### PROJECTS

#### Horizon Banking App

Developed with Typescript, NextJs, React, Shadcn, Plaid, Tailwind. It is able to connect to a real bank and display realtime data about transaction history, balance and can also handle transactions between banks.

#### Redis Codecrafters

A Redis-like in-memory database built with python. I created a TCP server which can handle commands such as setting and retrieving key-value pairs. It can read rdb files and set an expiry time on certain values to be deleted. It uses an async event loop to handle concurrent clients.

#### Trie search

I made this website in vanilla javascript which incorporates my knowledge of data structures & algorithms. It creates a trie which stores nodes so it can autocomplete previously entered words in a search bar. It can add and delete words from the trie in O(n) time and space complexity.

#### Chat App

This is a social media application which can handle friend requests and direct messages in realtime. It is connected to an Upstash database and allows logins with a provider (Google sign in).

### SKILLS

Python	JavaScript		Typescript
HTML	CSS	React	Nextjs
Tailwind	TCP/IP		