

David Ian Mason

{Junior Software Engineer}

About me

I am a former pharmaceutical scientist turned software developer with a strong background in problem-solving, decision-making, teamwork, leadership and communication as well as a good understanding of the importance in documentation. I began this transition after completely falling for the constant learning and fast development of programming and as such I am looking forward to joining a team where I can use my dedication towards continuously improving myself, those around me and the code before me.

School of Code

Full-Stack Developer | Sep 2023 - Present

- Chosen from over 3000 applicants to complete an intense 16-week, full-stack development bootcamp.
- Developed full-stack JS apps using a number of tools such as React and PostgreSQL.
- Weekly hackathons putting newly taught concepts into practice.
- Pair and team programming daily during workshops, hackathons and projects.
- Active participation in the Design steps of apps through ideation, user research, creation of user personas as well as low & high fidelity wire-framing.
- Use of Agile methodology during teamwork focusing on early MVP development and iterative improvements.
- Helped other Bootcampers to understand new topics when they were struggling.
- Assisted other groups during the final projects to fix issues.

SoC Project - BrumAI Website 🔗

Brief: Our client, BrumAI, required a new modern website which would better display their community as well as be easy to manage.

Tech Stack: JavaScript, JSX, React, Next.js, PostgreSQL, Tailwind CSS, SupaBase, MUI, AntDesign, Netlify.

Time Frame: 4-weeks.

Team Size: 6.

Focuses:

User Experience:

- Next.JS v14 was chosen due to its Server-Side Rendering to increase the speed of the website and improve SEO.
- The website was designed based on user journeys to ensure information most wanted by users was displayed first.
- Responsiveness for all screen sizes.

Ease of Management:

- SupaBase used for the database due to its UI interface requiring no prior SQL knowledge.
- Information likely to change is stored in a single data file and imported so no need to search through code to update.
- Documents created to explain how to manage the website.

Contributions:

- Data sorting functionality based on date of event.
- Light/Dark mode functionality.
- Lead bug-fixing when a problem occurred.

Contact

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📍 Bedford, UK

Skills

Front-End:

| JavaScript | React | Next.js |
| TypeScript | HTML | CSS |

Back-End:

| PostgreSQL | Rest API |
| Express.js | Node.js | MongoDB |

Testing:

| Playwright | Vitest | Supertest |
| Jest | React Testing Library |

Personal Projects

Portfolio 🔗

My personal portfolio developed using Next.JS and Tailwind.CSS.

100 Day Code Blog 🔗

Solo project to practice Database and MVC Rest API usage.

WeatherApp 🔗

Solo project to practice the use of APIs, DOM manipulation through user interactions and conditional rendering.

Rating Component 🔗

Pair project using Frontend Mentor to practice HTML and CSS as well as DOM manipulation.

Calculator 🔗

Solo project to practice conditional logic and DOM manipulation.

Experience

Achilles Therapeutics Ltd

Senior GMP Production Scientist | 2021 - 2023
GMP Production Scientist | 2020 - 2021

- Worked daily in close proximity teams.
- Led a team of ten during manufacturing.
- Stepped up to manage scheduling, personnel and training.
- Line managed and directly mentored two junior team members.
- Trained junior and senior members as well as external stakeholders on processes and equipment.
- Created, updated and managed documentation for processes and events/incidents.
- Completed projects to a high standard and tight deadlines including the set-up of the laboratory and the implementation of an Environmental Monitoring System.
- Worked on and led projects encompassing multiple departments.
- Communicated with internal and external stakeholders regarding projects.
- Actively participated in the continuous development of the manufacturing process.
- Managed multi-million pound equipment including maintenance and improvements.
- Subject matter expert for equipment and processes.
- Point of call for actions to be taken during an incident.
- Impact assessed incidents and implemented corrective and preventative actions.

Lonza

Biotechnologist 2 | 2019 - 2020
Biotechnologist 1 | 2018 - 2019

- Worked in varying teams daily.
- Managed projects and equipment.
- Led teams within the lab during manufacturing.
- Trained new members on the process.
- Communicated critical process information to stakeholders.
- Problem-solving when an incident occurred.
- Targeted personal development to cover areas with few trained personnel to ease scheduling burdens.

Tesco

Cashier (Part-time) | 2017 - 2018

Kinkowan Senior High School, Japan

Assistant Language Teacher | 2015 - 2017

The Binding Site Company

Laboratory Technician | 2013 - 2014

Methodologies

| Agile | TDD |
| Disney Ideation |

Soft Skills

- Teamwork
- Communication
- Quick learner
- Problem-solving
- Organised
- Adaptability
- Leadership
- Decision-making
- Self driven
- Documentation

Personal

- Outside of coding, I enjoy playing Grand-Strategy and City-Building games which require planning and foresight.
- I also enjoy reading and listening to books. I recently started reading 'The Wheel of Time' by Robert Jordan which I am enjoying.
- I have been teaching myself to play the violin which has been difficult but I am making (slow) progress so should start sounding passable soon!
- I am also studying Korean and Japanese and love visiting both countries!

Education

BSc (Hons) Biochemistry

Sheffield Hallam University | 2011 - 2015
1st-Class Degree