

Andy Carey

Junior Software Developer

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👛 [Portfolio](#)

Creative problem solver who has a new-found passion for using tech and software to find the answer. I'm career changing from Chemistry teaching where I enjoyed finding engaging ways of helping students to learn. I enjoyed programming Lego robots with students and realised that using technology often requires resilience and determination to get the answer. I am now looking forward to using my analytical mind in full stack development, offering different perspectives based on my experiences.

Experience

Bootcamper at School of Code

Sep 2023 - Jan 2024

I recently completed the School of Code, an intensive 16 week bootcamp, where I was selected from around 3000 applicants to develop my full stack development skills. <https://www.schoolofcode.co.uk/> I found the course immensely enjoyable, learning how to problem solve with others using technology as our tools. During the course I worked on :-

- Developed full-stack JS applications using a range of tech, including Node, Express, React, & PostgreSQL, using Git and Github to handle source control.
- Worked in agile teams using pair programming to solve common goals.
- Collaboration in new teams each week using code to solve front end and back end tasks.
- Ideated, designed and built products, some of which were demoed to industry experts.
- Wrote and followed team manifestos, including respect, dispute resolution and critical feedback.
- I learned that I am able to learn quickly and apply these skills to new challenges.

Projects

Children's Mood and Well-Being - Bubble <https://bubble-app-two.vercel.app> [Github link](#)

- Full stack application, designed and developed in 4 weeks as part of the bootcamp.
- Implemented development best practices e.g. source control, documentation, accessibility & semantic code.
- Learned new skills including Next.JS, CSS animations, Chakra UI, Chart.JS.
- Demonstrated excellent communication using Slack, Zoom and Trello to maintain efficiency.
- Responded to user feedback and stakeholder expectations to reiterate as we developed.
- Took responsibility for the end to end tests for our user journeys to ensure functionality.
- Also took the lead in the responsiveness for mobile, tablet or desktop use.
- Particularly enjoyed working with a LEAN mindset and Agile to achieve our aims.
- Our team ensured we rotated roles frequently to maximise our own learning and development.
- Collaborated as a team to review code before merging pull requests

Bubble was built from an idea I had as a parent who sometimes receives a muted response from my children regarding their mood and things on their mind.

Revision App to aid bootcampers retention <https://bc15-w8-project-front-end-tech-ti-tens-mu.vercel.app/>

- Built a full stack app in a week showing ability to work calmly under pressure.
- Utilised JavaScript, HTML and CSS to design and build in a week.
- Guided the back end team, building a PostgreSQL database and REST API interactions.

- Learned how to utilise a MVC back-end.
- Feedback from the team indicated my strong leadership skills and excellent communication.

The revision app was built to solve the problem of the (sometimes) overwhelming amount of new information we faced as boot campers. In order to help us remember and test ourselves we created this app. In the future we have discussed integrating AI that could tailor questions to a user or generate specific pathways based on need.

Previous Roles

Lancashire County Council, UpHolland High School — Teacher of Chemistry

Sep 2018 - Aug 2023

- Designed and implemented an engaging curriculum to maximise learning.
- Provided detailed feedback on assessments and live feedback more regularly promoting a growth mindset throughout.
- Performed regular data analysis on whole GCSE cohort and also specific targeted groups.
- Worked to regular deadlines, prioritising tasks based on needs. Ensured time management was effective in order to deliver key parts of lessons.
- Able to critically evaluate and reflect, sometimes during a lesson to alter content to suit the needs of the learners.
- Building effective relationships with students, and other staff members, was essential to understanding the issues and providing the most effective solutions.

Private clubs and Leisure Centres, Wigan — Full time Tennis Coach

Sep 2018 - Aug 2023

Education

Liverpool Hope university - PGCE Secondary Education - Chemistry

Sep 2017 - July 2018

Loughborough University - MSC Exercise Physiology

Sep 2004 - Sep 2005

Loughborough University - BSc Sport and Exercise Science - 2.1

Sep 2001 - Sep 2004

Skills

Programming Languages - JavaScript, TypeScript, HTML, CSS

Front End - React, Next.js, Chakra UI, Jest, Playwright, React Testing Library

Back End Node - Express, PostgreSQL, REST, Supertest
Design - Figma, UI/UX Design, User Stories & Personas, Wireframing (Low & High Fidelity), Prototyping

Interests

Keen runner, having completed five marathons including a mountain marathon.

Avid sportsperson, with a love for racket sports, particularly tennis.

Reading for pleasure.

Science and how new technology will change our way of life.

Space - new discoveries are something that fascinates me.

My family and children. Watching them grow and develop is an amazing privilege that never fails to surprise me.

I have also attended:

Junior Developer MeetUp in Manchester, organised by Kraken.

Building And Deploying Accessible Sites MeetUp, in Liverpool.

Work experience day at Experian in Nottingham.

Each experience has confirmed that I am changing my career into a supportive environment whilst growing my passion for technology.