

# Mark Workman

Junior Software Developer

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[GitHub](#) | [LinkedIn](#)

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## Personal Statement

I have always been fascinated by technology and computer software ever since getting my first computer, a BBC Model B, back in the early 1980's. I am now seeking to combine this lifelong passion for computing with my strong analytical and logic skills, developed through my careers in retail and teaching, to become an effective, efficient and tenacious software developer.

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## Technical Skills

**Languages:** Python, including Pandas. JavaScript, including Node.js and browsers as environment.

**Testing:** TDD (Test Driven Development), Jest.

**Back-end:** SQL, PSQ, Firebase, seeding, migrations.

**Front-end:** HTML, CSS, React, Lighthouse, Next.js, TypeScript, and other accessibility tools.

**Hosting:** Cloudflare, Netlify, Vercel, and Firebase Storage.

**Other:** Paired programming, technical communication, SDL, Agile and SCRUM methodologies.

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## Projects

[Devon's Digital Solutions](#) | My own website built using TypeScript, Next.js, and Firebase for storage.

[Carbon Intensity](#) | A JS app built using Vite and React to pull data from the Carbon Intensity API.

[Trippy](#) | A group holiday planning app built using React Native, Expo, and PostgreSQL.

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## Education

**Junior Software Developer at Northcoders** | 02/09/2024 – 29/11/2024

Engaged in a 13-week intensive bootcamp focused on mastering JavaScript, covering fundamental concepts, back-end development, front-end design as well as projects.

- Designed and built a back-end server in JavaScript and PostgreSQL using a Module View Controller architecture designed to emulate a news reader site.
- Built a responsive front-end in Vite & React using HTML and CSS to interact with the back-end allowing users to view by topic or article, post and delete comment and sort articles.
- Experienced in project management methodologies, including SCRUM, writing user stories and collaborating effectively within a team.
- Developed a comprehensive TDD suite from the initial brief to successful implementation.

**Data Analyst at Digital Skills HQ** | 04/12/2023 – 10/02/2024

Completed a Level 3 qualification in Data Analytics course to gain deep understanding of various data analytics tools, business intelligence platforms, data marketing and visualisation techniques.

- Designed and built a dashboard on Power BI ensuring it was efficiently coded and user-friendly.
- Extensive data manipulation in Python using the Pandas library.
- Explored and built queries in SQL, focusing on relations between tables.

**GCSE Computer Science subject knowledge | National Centre for Computing Education | 2023**

**Teach Secondary Computing | National Centre for Computing Education | 2023 | Pass**

**PGCE: Secondary Mathematics Education | University of Plymouth | 2007 – 2008 | Pass**

**BSc (Hons): Mathematics and Statistics | University of Plymouth | 2004 – 2007 | 2:2**

## Experience

**AI Data Scientist at Outlier.ai | San Francisco | 01/2024 – Present**

- Training AI model responses by using a grading rubric to select the best response path.
- Using pandas, evaluating and improving Python code to achieve the desired outcome.
- Providing constructive and solution-focused feedback to other taskers as a reviewer.

**Teacher of Computer Science at Brixham College | Brixham, Devon | 09/2023 – 12/2023**

- Planning and delivering engaging, differentiated lessons that focused on student progression.
- Using data confidentially and effectively to tracking students' progress and identify trends.
- Preparing informative and robust reports, delivering these to managers and parents.

**Teacher of Maths and IT at Okehampton College | Okehampton, Devon | 09/2022 – 09/2023**

- Educating and inspiring students in the use of Python, HTML and Blender.
- Creating spreadsheets to coordinate subject teaching across the department and year groups.
- Preparing and delivering informative and relevant presentations to parents and colleagues.

**Supply Teacher at Teaching Personnel | Exeter, Devon | 09/2021 – 09/2022**

- Flexible working at various educational settings assisting and supporting students.
- Rapidly integrating myself into new teams, adapting to different schools and procedures.
- Gaining trust and respect from colleagues and students to step in and provide effective cover.

**Teacher of Maths at Brixham College | Brixham, Devon | 09/2019 – 09/2021**

- Providing high quality lessons across a range of abilities and Year groups to ensure progress.
- Interpretating data to identify students for intervention and additional teaching resources.
- Learning syllabuses, planning and delivering bespoke lessons in GCSE Statistics.

**Teacher of Maths at South Devon UTC | Newton Abbot, Devon | 09/2016 – 09/2019**

- Setting up, tracking and maintaining data reporting systems to enable teachers across the UTC to access accurate and sensitivity-controlled student data.
- Took on extra responsibility to co-run the Maths department during colleague absence.
- Critically analysing past performance and trends in data to influence and redesign curriculum.

Further experience available on request

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## Hobbies and Interests

I keep myself up to date on what is going on in technology and have also enrolled on online courses offered by Microsoft such as Power BI Data Analyst PL-300 as well as courses based on Azure. I have run many 10k's, several half marathons and also completed the virtual London Marathon in 2021.