

Tom West

Software Developer

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

Software developer with 2 years of experience, seeking a role where I can apply my problem-solving skills to build innovative software solutions. With a passion for writing clean code and building maintainable systems, I strive to deliver software that balances technical excellence with real business value. I am eager to apply my logical mindset, creativity, and drive to learn as I work toward my goal of becoming an elite software developer.

Technical Skills

Languages: C#, TypeScript, Visual Basic, using Node.js and browsers as environments.

Testing: Test-Driven-Development (TDD), xUnit, Jest, SuperTest.

Front-End: HTML, CSS, React, Next.js, Tailwind and other accessibility tools.

Back-End: SQL, PSQL, Prisma, seeding, migrations.

Dev Tools: Git, Azure, Visual Studio, VSCode, Postman, BitBucket, TeamCity, Jira, Miro.

Soft skills: Paired programming, technical communication, agile and SCRUM methodologies.

Work Experience

Software Developer, EMaC (March 2024 - present)

Contribute as a full-stack software developer on a complex platform supporting automotive manufacturers in selling service plans and fostering customer loyalty through seamless software experiences.

Responsibilities

- Present work and ideas to business stakeholders each week, suggesting technical approaches and gathering feedback.
- Develop readable, reusable and future-proof code to reduce technical debt and improve long-term project sustainability.
- Perform daily peer reviews, encouraging improvement across all levels and promoting a culture of clean code.
- Regularly develop complex SQL queries, functions and stored procedures across multiple database environments, with a focus on efficiency when handling large datasets.
- Collaborate with QA to enhance testing coverage and discuss improvements to UX.
- Work with Scrum and Kanban methodologies and have participated in multiple squads to absorb business logic and support peers.

Skills

- Excellent skills in identifying and resolving defects gained from working in a team dedicated to live issues for 6 months.
- Rapidly learned Typescript, C# and Visual Basic to deliver features in a fast-paced environment.
- Proficient in Git and Azure, managing environments, branching strategies, and deployments to support fortnightly releases.
- Utilize productivity tools such as Jira and Miro to their full extent to maximise efficiency and drive improvement within the team.

Trainee Software Developer, Northcoders (Oct 2023 – Jan 2024)

- Completed a 13-week intensive Software Engineering course which educated me in a diverse range of coding languages and solidified my technical skills and interest surrounding software engineering.
- Working regularly with new partners hugely strengthened my technical communication, adaptability and comfort in driver/navigator roles.
- Covering challenging new topics daily fostered my ability to quickly pick up new skills.

University Experiments, University of Bath (2019-2023)

- Carried out numerous complex experiments, both individually and in groups, which often included coding in Python to present data, strengthening my skills in this language.
- I wrote Python code that simulated the physics of a Kater's pendulum to calculate various associated parameters and code that compared images of the night sky to detect passing comets and used LaTeX to produce my report.
- Gained leadership skills by planning group experiments, guiding the team to successful outcomes under time pressure, and fostering effective collaboration and communication.

Projects

Gym App with Next.js - Front-End, (Dec-Jan 2023), [Repository](#)

- Led the front-end development of a gym app using Next.js, Tailwind, and Prisma, enabling users to track and share their gym progress.
- Quickly adapted to new technologies and increased responsibilities after a teammate left post-planning, re-organising workload and ensuring project delivery.

News App with React and PSQl- Full-Stack, (Dec 2023), [Front-End](#) [Back-End](#)

- Developed a full-stack News App as a solo project, building a REST API with JavaScript and PostgreSQL and a React front-end with responsive design.
- Implemented thorough testing and error handling across both server and client to ensure stability, reliability, and a smooth user experience.

Final Year Project, University of Bath (2023)

- Made large electrical adjustments to a remote-control car and used C++ code for an Arduino micro-controller to make it follow a group of instructions at the push of a button.
- Used Python to mathematically analyse my datasets and creatively present them in various graph types, all to use in my 6000-word report.

Education

The University of Bath, 2019 – 2023, Bath

- Physics BSc, 2:2 (with mitigating circumstances).
- High 2:1 in final year project (despite strong setback due to mitigating circumstances): "Can a full-scale vehicle be dynamically modelled as a small-scale vehicle?"

Watford Grammar School for Boys 2012 - 2019, Watford

- A-Levels: ABB | 11 GCSEs: 3A*s, 4A's, 3B's, 1C