

BALAZS HETENYI

Software Engineer | Frontend Specialist

PROFILE

Senior Software Developer with over four years of professional experience building secure, scalable, and user-centred applications. Skilled in modern JavaScript and TypeScript frameworks, including React and Next.js, with a strong focus on performance, maintainability, and clean architecture. Experienced in CI/CD, cloud environments, and test-driven development. Passionate about solving meaningful problems through thoughtful design, collaboration, and reliable engineering.

WORK EXPERIENCE

Senior Software Developer

Wellcome Sanger Institute, Cambridge, UK (Non-profit) - Hybrid

Nov 2024 - Present

- Leading frontend initiatives for large-scale research platforms using React + TypeScript, improving reliability and maintainability.
- Partnering with UX and product teams to design and deliver user-centric features.
- Introducing component reusability and performance optimisations that reduced load times by 30%.
- Mentoring junior developers and contributed to code reviews and knowledge sharing.
- Helping refine and extend the internal design system for consistent, accessible UIs.

Stack: React, TypeScript, Next.js, Python, Django, Docker, AWS, OpenStack, GitLab

Software Developer

Wellcome Sanger Institute, Cambridge, UK (Non-profit) - Hybrid

Nov 2022 - Nov 2024

- Built and maintained complex web apps in React, focusing on clean code and long-term maintainability.
- Collaborated with product managers to iterate quickly on new feature concepts and experiments.
- Wrote comprehensive unit and integration tests, improving reliability across releases.
- Automated data processing pipelines, reducing manual intervention and boosting efficiency.
- Collaborated in Agile teams to deliver high-quality features on time.

Stack: React, TypeScript, Next.js, Python, Django, Docker, AWS, OpenStack, GitLab

Web/Software Development Mentor (Part-Time)

OpenClassrooms International, UK

Nov 2022 - Present

- Guiding students through building JavaScript, React, and Node.js applications, with a focus on modular design and best practices.
- Supporting projects involving frontend architecture, API integration, and cloud deployment.
- Highlighting the importance of scalability, testing, and agile collaboration.

Subjects: HTML, CSS, JavaScript, TypeScript, React, Python, C#, REST API, Node.JS, SQL, MongoDB

Full-Stack Software Developer

Passle Ltd., Oxford, UK (SaaS)

May 2021 - Nov 2022

- Delivered customer-facing features in a commercial SaaS platform, collaborating closely with product and design teams.
- Worked across the stack with Angular, TypeScript, and .NET, building secure and reliable solutions.
- Gained early exposure to multi-team collaboration in a growing codebase.

Stack: Angular, TypeScript, C#, .NET MVC, MongoDB

EDUCATION

BSc (Honours) Computing and IT (Software Engineering)

The Open University – 2025

Foundation Degree in Software Development

OpenClassrooms International – 2019

SKILLS

Frontend Development: React, TypeScript, JavaScript, React Native, HTML5, CSS3, Tailwind

Backend Development: Python, Django, Node, C#, REST API

Databases: PostgreSQL, MySQL, MongoDB

Cloud & DevOps: AWS, Docker, GitLab, CI/CD, Supabase

UI/UX: responsive design, accessibility (a11y), animations, wireframes, user-centred design

Testing & Quality: Cypress, React Testing Library, Jest, Pytest, code reviews

State management: Zustand

Collaboration: Agile / Scrum, mentoring, pair programming, stakeholder communication

LANGUAGES

English - Fluent

Hungarian - Native

Spanish - Beginner