# BALAZS HETENYI

## Software Engineer | Software Developer Mentor

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## *PROFILE*

Senior Software Developer with over four years of professional experience building secure, scalable, and user-centred applications. Skilled in Python and 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.

### *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.

### *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.

### 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.

## EDUCATION

### BSc (Honours) Computing and IT (Software Engineering)

**The Open University** – 2025

- Grade: 2:1

### 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