

Ethan Wicks

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Online Portfolio - <https://spiffy-nasturtium-3bbb4c.netlify.app/>

Summary

Software Developer with 2 years of industry experience building scalable, accessible, and user-focused web applications using Angular, TypeScript, and modern development practices. At NEC Software Solutions, contributed to enterprise grade systems for public sector clients by delivering new features, maintaining legacy code, and collaborating in agile teams to enhance performance and user experience. Actively expanding backend development skills through freelance and personal projects using JavaScript, Python, TypeScript, React, Express.js, and PostgreSQL.

I'm passionate about solving real-world problems with clean, maintainable code, and I thrive in team environments where I can contribute, support others, and keep learning. With strong full-stack experience, I'm now actively seeking opportunities that will allow me to build impactful digital products.

Professional Experience

Frontend Developer – NEC Software Solutions, London

July 2023 - November 2025 (2 years)

As a Frontend Developer at NEC Software Solutions, I contributed to the development and maintenance of large-scale, enterprise-level web applications used by public sector clients across the UK.

Key Responsibilities:

- Developed new features using Angular and TypeScript based on business and user requirements.
 - Fixed bugs and refactored legacy code, improving performance, stability, and accessibility (WCAG 2.2 compliance).
 - Wrote modular, reusable, and scalable code in accordance with team-wide style guides.
 - Collaborated closely with QA engineers, designers, and backend developers to deliver high-quality UI and seamless API integration.
 - Participated in Agile ceremonies including stand-ups, sprint planning, and code reviews.
 - Ensured compliance with WCAG accessibility standards and maintained cross-browser compatibility.
 - Took ownership of support tickets and hotfixes, ensuring minimal downtime.
 - Wrote unit tests and performed manual testing to validate features before deployment.
 - Helped improve onboarding processes and contributed to internal documentation.
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IT Technician – Radnor House School, Twickenham

2021 - 2022

- Delivered IT support in a fast-paced school environment, managing the help desk and resolving hardware, software, and network issues.
 - Used and managed systems including Active Directory, Office 365 Admin Centre, and Intune.
 - Automated repetitive tasks with scripts and provided remote support for staff and students.
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Freelance/Personal Projects

Council Data Hub

A comprehensive data automation platform developed for Extendout to streamline their planning application research process. The system scrapes and filters planning permission data from

council websites based on user-defined criteria such as date ranges and keywords. This solution transformed a manual, time-intensive workflow into an automated process, significantly improving efficiency and data accuracy for the business operations team.

Tech stack - Angular, TypeScript, Spring Boot, Java, Python, PostgreSQL, Selenium, GitHub Actions.

Swagger Viewer

An application that consolidates all your Swagger APIs in one place behind a secure authentication system. It lets you search APIs using substring, exact match, or fuzzy search, and filter results by HTTP method. Fully responsive and optimized for mobile devices.

Route Optimization & Accounting Automation App – I am currently developing a mobile app that optimizes delivery/travel routes and automates accounting tasks, using React native, Express JS, PostgreSQL, OR Tools (for algorithm optimisation) and open AI API. Source code is company-owned and confidential, so a public repository is not available.

Education

Code Institute - Full Stack Software Development Diploma

Mar 2022 - Mar 2023

- Learned HTML, CSS, Python, JavaScript, Django, PostgreSQL
- Completed 5 portfolio-grade projects using industry practices

Kingston College, London

2018 - 2021

IT BTEC Diploma – Merit – Merit

Esher High School, Surrey

2013 - 2018

- English Literature: 7
- Music Tech: Distinction (7.5)
- English Language: 5

- Maths: 5
- Computer Science: 5
- Physical Education: 5
- Music: 5
- Religious Studies: 5
- Science: 4-4