

# Katie Cox

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## Personal Statement

**Proactive** and **detail-oriented** software engineer with a background in backend delivery, cloud technologies, and **Python/JavaScript**. Currently building a mobile inventory tracking app using **Flutter** and **FastAPI**, combining creativity with a user-first approach and a focus on accessible, responsive design. Known for being **dependable**, **adaptable** and **analytical**, I've contributed to client-facing software delivery projects in **Agile** teams, involving **configuration**, **automation**, and **system integration**. Now actively pivoting into full-time software engineering, with particular interest in **mobile**, **frontend** and **full-stack** roles.

## Work Experience

### Experian

*Graduate Software Engineer* (Sep 2022 – Sep 2024) → **Delivery Analyst** (Sep 2024 – Present)

Completed Experian's graduate scheme and promoted into a permanent Delivery Analyst role within the same Agile team. Worked on cloud migrations and backend delivery for major UK credit providers using Experian proprietary software like **PowerCurve (PCO)**, **Strategy Design Studio (SDS)** and **Ascend**.

Key Responsibilities:

- Support the full **SDLC** for on-premise to cloud migrations and system upgrades for major UK clients in telecoms and banking using cloud technologies, including **AWS (EC2)**
- Participate in **technical design sessions** and document system functionality in technical and business specifications
- Build, test and deploy backend configurations using **Bitbucket**, **Git Bash**, and **Jenkins**
- Query **PostgreSQL** and **MSSQL** databases to validate UAT data, support unit testing and investigate defects
- Use **SOAPUI**, **Postman** and **Bruno** for request validation and internal tooling across **Linux** and **Windows** servers
- Monitor service health, troubleshoot and resolve UAT/defect issues using **Splunk** and **Kubernetes** log analysis
- Share knowledge via peer demos and informal onboarding support for new joiners

**Response Physiotherapy Ltd** (Nov 2021- Sep 2022): **Referrals Administrator**

**Sainsbury's Supermarkets Ltd** (July 2019 - December 2021): **Trading Assistant**

## Projects

**Domī** (in progress)

*Flutter, FastAPI, Python, SQLite, Fly.io*

Developing a cross-platform mobile inventory tracking app designed to support users with brain injuries and cognitive difficulties. Built with **Flutter's** widget-based architecture and integrated with a **FastAPI** backend using **RESTful APIs** and persistent storage. Features include **barcode scanning**, **responsive UI**, and cloud deployment via **Fly.io**.

Planned enhancements include **NFC sticker integration** for physical item identification and real-world **technology tagging**, allowing users to interact with their environment directly through the app.

## Responsive Web Design Projects (FreeCodeCamp)

### HTML5, CSS3, JavaScript ES6+ - updating with Tailwind and Bootstrap

Completed 5 responsive frontend projects in 2022, including a tribute page, technical documentation page, a sign-up form, a product landing page and a personal portfolio. Refreshing all designs with modern frameworks and pushing to **GitHub** with READMEs and live previews.

Currently integrating **Cypress** tests to simulate user interactions and improve accessibility.

## Technical Skills

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**Languages & Frameworks:** Python, JavaScript (ES6+), SQL, HTML5/CSS3, Flutter (Dart), FastAPI, Tailwind, Bootstrap

**Tools & Platforms:** Git, Bitbucket, Jenkins, SOAPUI, Postman, Bruno, Splunk, Kubernetes, Docker, Cypress

**Cloud & Systems:** AWS (EC2), CI/CD, PostgreSQL, MSSQL, Linux and Windows Servers

## Education

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**Nottingham Trent University** (Sep 2016 – June 2021)  
DipHE in English and Linguistics.

**Bilborough College** (Sep 2014 – Aug 2016)  
A Levels: Sociology (**A\***), English Language (**B**), Psychology (**C**).

**Ellis Guilford School** (Sep 2008 - July 2013)  
10 GCSEs Grades **A\*** to **C** including Maths and English.

## Certifications

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- **AWS** (2023 – Current): *Cloud Practitioner Essentials* - currently working preparing for **Cloud Practitioner** and **Solutions Architect** – Associate exams.
- **LinkedIn Learning** (2025): Linux Fundamentals, Flutter Fundamentals.
- **Code First Girls** (2022): **CFGDegree** (Merit) – intermediate **Python**, **SQL** with a final project “Recapify” built with **Flask**, **Pycharm**, **Spotipy**, **Bootstrap**.
- **SheCodes Basics** (2022): **HTML5**, **CSS3**, **JavaScript ES6+**, **VS Code**.
- **Purple Beard Bootcamp** (2021): **Python**, **NumPy**, **Matplotlib**, **SQL**, advanced **Excel**.

## Personal Interests

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Learning Spanish, running and weightlifting (completed the 2021 London Marathon, raising £700 for Myeloma UK), and organising Great Place to Work events.

## References

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Available upon request.