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# SOPHIA WARREN

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LONDON | SOPHIA.M.WARREN@GMAIL.COM

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Full stack developer (**MongoDB, Express, Next.js, Node.js, TypeScript, SQL**) with a background in welfare policy. My interests include accessibility, data, and "tech for good". I would love to use my technical skills to help solve social or environmental problems.

## PROJECTS

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### KETTLEON | 2024 | [LINK](#)

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A **Next.js** full-stack team-building app in **TypeScript** for remote workers. This project was built as part of a team; my contribution was primarily on the backend:

- Setting up connection to **MongoDB** database using **Mongoose**
- Building custom integration of **Kinde** authentication **API**
- Setting up CRUD functions using **tRPC/TanStack Query**

### WANDERLOG | 2024 | [LINK](#)

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A **MERN** stack (**MongoDB, Express, React/Next.js** and **Node.js**) social travel diary app. As scrum master, I managed the **Agile** workflow and also contributed by:

- Setting up **Express** and **Node.js** backend with **MongoDB** and **Mongoose**
- Utilising **Supertest** to test **API** endpoints
- Connecting to **Google Maps API**

## EXPERIENCE

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### POLICY IN PRACTICE | 2021 – 2023

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#### SENIOR POLICY AND DATA ANALYST

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- Responsible for maintaining a complex policy engine used to power a public-facing software product. Led policy and testing side of **TypeScript** codebase overhaul, ensuring accuracy and client deliverables were maintained as engine was transitioned to an **API**.
- Designed and conducted analysis modelling policy impact, using **Excel, SQL (PostgreSQL), R** and **Stata**. Produced high-quality written work for audiences ranging from local authority clients to the Observer.
- Led on key delivery tasks such as annual benefits uprating, ensuring team worked together to meet crucial deadlines. Helped shape team structure, processes and recruitment during scale-up.

#### POLICY AND DATA ANALYST

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- Supported software users, collating feedback and delivering improvements to policy engine and **UI** of product.
- Worked in **Stata, SQL (PostgreSQL)** and **R** to interpret large administrative datasets.
- Maintained and consistently improved complex welfare policy rules engine using **Excel** and **TypeScript**, meeting strict delivery deadlines.

### CITIZENS ADVICE SOUTH ESSEX | 2020

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#### ENERGY ADVICE AND ENGAGEMENT SPECIALIST

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- Set up Warm Homes project, engaging with local partners to establish referral pathways.

- Managed a substantial client caseload, prioritising to ensure emergency demand for food and fuel vouchers met during pandemic.
- Assisted the organisation to set up and utilise new technology for internal communications and data reporting.

## **CITIZENS ADVICE CAMDEN | 2017 - 2019**

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### **GENERALIST ADVISER (VOLUNTEER)**

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- Completed complex benefit appeal submissions, interpreting medical & legal information.
- Maintained detailed database records for caseload of clients, carefully adhering to GDPR.
- Worked sensitively with clients through mental health and language difficulties.
- Supported the training of new cohorts of advisers.

## **SKILLS**

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### **TECHNICAL**

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#### **Proficient in:**

- MongoDB & Express
- React & Next.js
- Node.js
- TypeScript
- SQL & PostgreSQL
- HTML/CSS & Tailwind CSS
- JavaScript
- Git & GitHub
- Stata
- Excel & Microsoft Office

#### **Some knowledge of:**

- R
- Tableau
- AWS
- Software testing

#### **Learning:**

- Python
- Django

### **SOFT SKILLS**

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- Technical writing
- Problem-solving
- Communication
- Agile working

### **OTHER SKILLS & INTERESTS**

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- French (intermediate)
- Pianist (Grade 7)
- Guitarist (Grade 6)
- Vocalist and songwriter

## **EDUCATION & TRAINING**

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### **SOFTWARE DEVELOPMENT BOOTCAMP**

THE DEVELOPER ACADEMY | 2024

### **LLB POLITICS, PHILOSOPHY AND LAW | 2:1**

KING'S COLLEGE LONDON | 2019

**A LEVELS** | A\*AAA

**GCSSES** | 12 A\*S

### **OTHER TRAINING:**

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- Responsive Web Design Certification | FreeCodeCamp
- Fundamentals of Coding | Grasshopper
- Certificate in Generalist Advice | Citizens Advice
- Level 3 Award in Energy Awareness | NEA/City & Guilds
- Mental Health First Aid | InterAct