CATHERINE PULMAN

JUNIOR SOFTWARE DEVELOPER | London   catherine.pulman@hotmail.co.uk | 07850 281619

Portfolio: https://catherinepulman.netlify.app   github.com/Clatherine

TECHNICAL SKILLS
- **Languages:** TypeScript and JavaScript, using Node.js and browsers as environment
- **Front-end:** HTML, CSS, Lit Element, React
- **Back-end:** MongoDB, SQL, PSQL, seeding, migrations
- **Testing:** Test Driven Development, Deno, Playwright, Jest, Supertest
- **Hosting:** Supabase, Render, Netlify
- **Other:** Git, GitHub, GitLab, Wireframing, Figma

PERSONAL STATEMENT
I first discovered the joys of coding through animatronic puppet building, where I was introduced to Arduino and loved the logical thinking and problem-solving involved. I enjoyed developing technical systems to automate content creation while working in Education Technology, and in 2024 took the plunge to retrain as a software developer. Over the past year, I have been working with one other developer to build a knowledge management platform for the MoD. This has given me extensive experience across the tech stack, and I am now particularly keen to deepen my expertise in front-end development, testing and user experience design.

EDUCATION
BA (Hons) Natural Sciences, University of Cambridge: 1st (2013)
Biological Sciences with Part II in History and Philosophy of Science

A-levels in Biology, Chemistry, Maths and French (all grade A) (2009)

EXPERIENCE
Junior Software Developer (October 2024 - September 2025)
Proven EA/Counter
- Designing, developing and delivering a new secure knowledge management platform for the Ministry of Defence.
- Primarily involved in front-end development: designing and implementing interactive Lit Element web components written in TypeScript, maintaining strict adherence to WCAG accessibility standards and GDS design principles.
- Features and functionalities included: custom content management interface for document creation, advanced document search capabilities and display dashboards, user management and authentication, admin interfaces for data management and site configuration.
- Developed and maintained the complete e2e test suite using Deno and Playwright.
- Contributed to API design and backend integration.

Junior Software Developer Volunteer (August - September 2024)
Library of Things
- Worked as part of the development team on the company's Next.js React website, written in TypeScript.
- Responsible for implementing designs for a new page that displays the company's physical site locations on an interactive map (using Mapbox GL), and allows users to initiate a public campaign to start a new site using a Formik form.

Software Development Student (April - July 2024)
Northcoders
- Three-month intensive full-stack development bootcamp in JavaScript, using Node.js.
- Developed my coding and technical communication skills through daily lectures, seminars, katas, pair-programming challenges and both solo and group project work.
- Created a full-stack web and Android React Native app in two weeks alongside two other developers. The app was designed to help tourists plan trips in a new city and involved integration with the Google Maps API as well as our own custom-built API.

Content Creator (Feb 2021 - April 2024)
Atom Learning – Education Technology Company
- Produced and implemented large volumes of high quality, user-friendly and aesthetically pleasing Key Stage 2 educational content under tight deadlines.
- Initiated and developed systems using Excel to create questions automatically, improving efficiency at scale.

Forest School Practitioner (Sep 2020 - August 2021)
Into the Woods Forest School
- Delivered the Early Years Foundation Stage (EYFS) curriculum in London's first entirely outdoor-based nursery. I was the key person to 10 children under 5 years old, including some with special educational needs.
- Entertaining, educating and keeping young children safe in a public woodland required high levels of energy, imagination and responsibility, as well as excellent communication and teamwork with other staff members.

Launch Team (Jul - Sep 2020)
TopUp Truck – Hackney's first zero-waste mobile grocery shop
- Worked with the founder to help launch the business. Involved in all areas, ranging from market research and competitor analysis to forecasting, pricing, logistics and selling.

Montessori Practitioner (Sep 2019 - Jun 2020)
Bethnal Green Montessori School
- Worked closely with the lead teacher to maintain a calm and purposeful classroom of 2 to 5-year-olds, delivering the EYFS curriculum in line with Montessori principles.
- Played an instrumental role in the delivery of an online nursery experience throughout the Covid lockdown period.

Secretary (Nov 2017 – Sep 2018 & Nov 2013 - Jun 2014)
CHASE Africa - Healthcare and tree-planting charity working with partners in East Africa
- Responsible for developing the website, marketing, social media and donor updates.
- Managed partner reporting and worked with the Oxford Institute of Population Ageing to re-design the data reporting system; developed and implemented key policies.

Senior Account Executive (Apr - Aug 2017)
Planning and Biddable Account Executive (Aug 2015 - Apr 2017)
Essence Digital - Digital Marketing Agency
- Planned and executed high budget (£1m+) digital marketing campaigns for the Google and Hewlett-Packard brands across social, search and YouTube channels.
- Negotiated directly with online publishers to purchase advertising space for campaigns.
- Analysed and presented campaign results to clients.

Quantitative and Qualitative Assistant – Contract job (Mar - Jun 2015)
Basis Research – Customer research and insight consultancy

Sales Analyst and PA to Head of Sales (Jul 2014 - Mar 2015)
FDM Group – Training and recruitment agency for the technology sector

HOBBIES & INTERESTS

In recent years, I have developed an interest in making dolls and puppets! This led me to getting involved with some professional animatronic puppet makers, who I spent considerable time with, working on an ambitious sheep costume (https://www.instagram.com/reel/Cr3LJICuUXk). I also love films, cooking, running, cycling and climbing.