

Klaudia Kreft

Full Stack Software Engineer



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EDUCATION

UNIVERSITY OF MANCHESTER

BSc COMPUTER SCIENCE
(HUMAN COMPUTER
INTERACTION)

2018 - 2022

VOLUNTEERING

AI/ML SOCIETY | 2021

- Introduced Women Wednesdays; increased the female followers count by 100%; performed interviews later published on society's social channels.
- Created all the graphical content and re-branded the society's visual image - logo, colour scheme as well as graphics style using **Inkscape**, **GIMP** and **Figma**.

CODEFIRST GIRLS | 2021

- Provided hour-long tutorials in Python to female students in other departments of the University.

CERTIFICATES

- AWS [in progress] - Solution Architecture Associate
- GCP - Cloud Digital Leader
- AZ-900 - Microsoft Azure Fundamentals
- PL-900 - Microsoft Power Platform Fundamentals

LANGUAGES

English: Proficient

Polish: Native

EXPERIENCE

SPRINT REPLY | CONSULTANT (C2--C3) -- FULL STACK, CLOUDOPS, DATA ENGINEERING & AI

November 2023 -- Present | Manchester/Sheffield, UK

- Led the Invoice Validation project, building a robust **Databricks** pipeline with 90%+ test coverage and parallel processing to automate invoice data ingestion, transformation, and anomaly detection.
- Enhanced AI tools: **Know** – improved prompt engineering; **Compare** – refactored ingestion pipeline using **Step Function**; **Chat** – implemented text-to-image generation and robust error handling for a multimodal, multi-model AI assistant.
- Built MVPs for contract analysis, document summarization, and invoice reconciliation using LLMs and automated workflows.
- Created an internal UI asset library in **Figma** to streamline ideation and prototyping across teams.
- Supported digitisation of ICC checklists into a live data-syncing task management platform using **AWS AppSync, DynamoDB, Lambda, Terraform, Docker, React, and Redux**.
- Delivered integration projects modernising internal systems and improving accessibility of operational data.
- Developed a tool to automate evidence pack generation, integrating backend services with a tailored UI.
- Defined technical requirements alongside analysts and users, leading testing and QA for high-quality delivery.
- Mentored junior developers, supporting onboarding and code reviews.

PILLR | DEVELOPER

March 2022 – July 2023 | Manchester, UK

- Migrated old portal frontend using **TypeScript, Vue.js, SASS** and **Bootstrap**.
- Created multiple custom components like omnibox allowing for search and multiple selection or workflow tree graphs utilising card containers.
- Implemented UI for the new version of the ticketing and workflow systems.
- Researched and designed data collection using **Chrome API** for the chrome extension.
- Utilised **ELK, Python** and **Go** in development and maintenance of API endpoints.
- Gained experience with containerisation of the product using **Docker** and **Kubernetes**.

PROJECTS

AWS APPSYNC WORKLOAD MANAGER | 2024

- A real-time task management platform leveraging **AWS AppSync, DynamoDB, Lambda, EventBridge**, and **S3**.
- Includes WebSocket streaming, recurring task automation, XLSX reporting, drag-and-drop UI, and alert systems.
- Built with **React, TypeScript, Redux**, and **SCSS**.

AI TOOLS: KNOW, COMPARE, CHAT | 2024

- **Know** – AI knowledge base enhanced with refined system prompts for improved accuracy and UX.
- **Compare** – Document comparison tool with improved ingestion using **PandasAI** and performance-tuned LLM support.
- **Chat** – Enterprise multimodal assistant with text-to-image generation and advanced error handling.

DYSLEXIA & DYSCALCULIA CHROME EXTENSION | UX PROJECT - 2022

- Designed and implemented an extension supporting dyslexic and/or dyscalculic users in reading and writing within Google Workspace Suite.
- Having the end user at heart provided 4 accessibility features - text-to-speech, definition of the hovered words in the document, confusing sounds detection, number tracking support for dyscalculia as well as some other customisable features (screen tint, paragraph highlighting, etc.). **HTML, CSS, JavaScript** and **GoogleScript**.