Hubert Matras

AI & Software Developer | BSc Computer Science
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PROFILE

A dedicated and creative Software Engineer, I graduated from Swansea University with a degree in Computer Science. My education has provided me with a solid understanding of programming principles, software design, and data-driven solutions. Outside of work, I am a keen footballer and have even played at academy level and professionally for the highest division in Poland.

During my time at Sky, I've gained valuable experience as part of the AI development team—where I learned extensively about the practical applications of machine learning and automation in a large-scale environment. I am also a member of a UX/UI frontend-focused team, which strengthened my ability to create user-centred, intuitive solutions for a fast-moving national company. These combined experiences have deepened my technical expertise while broadening my perspective across multiple areas of technology. I am eager to continually grow by staying at the forefront of innovation, and contributing to impactful projects alongside a talented team of professionals.

TECHNICAL SKILLS

Proficient: TypeScript, JavaScript, ReactJS, OpenAI Models, OpenAI Assistant and Completion API, Next.js, Octopus, Concourse, Git
Worked with: Python, Svelte, Java, NodeJS, Express.js, Jenkins, AWS, SpringBoot, Haskell, Prolog, MySQL, PHP, Bash, Figma
Languages: English, Polish

WORK EXPERIENCE

Sky

Software Engineer – UX/UI Team (01/2025 – present)   *London, UK*

- **SkyUI**
  - **Full Design System** used across Sky by more than **100's** of teams.
  - Maintained and expanded a large-scale React component library consisting of **100s** of reusable components used across Sky products more than **10 thousand** times.
  - Collaborated closely with designers to ensure consistent UI/UX patterns, and with cross-functional teams to meet product requirements.
  - Championed web accessibility (a11y), ensuring all components adhered to accessibility standards and best practices.
  - Developed components primarily in **React** and **TypeScript**, with some components also created in **Svelte**.
  - Maintained a **Next.js** application supporting documentation, demos, and developer integration.

Sky

AI Software Developer (07/2024 – 01/2025)   *London, UK*

- **AI-powered Digital Twin**
  - Developed an **OpenAI Assistant** and **Completion** api model using **Python** and **OpenAI 4o** and **o1-preview** models to simulate a real world problems, and enabling predictive maintenance and operational optimisation.
  - Created a frontend application with **Streamlit** library to easily interact with this model.

- **AI-powered Email Generator**
  - Developed an **OpenAI Assistant** and **Completion** api model using **Python** and **OpenAI 4o** model to create an email designed for marketing purposes.
  - Created a frontend application with **Streamlit** library to easily interact with this model.
- **AI-powered Churn Analysis**
  - Developed an **OpenAI Assistant** and **Completion** api model using **Python** and finetuned **OpenAI 4o** model to help analyse churn.
  - Created a frontend application with **Streamlit** library to easily interact with this model.
- **AI-powered CSV Data Mapping Tool**
  - Created an AI-based tool for mapping and matching data between service and repositories files in CSV format.
- **AI-powered Assistant**
  - Developed an **OpenAI Assistant** api model that will answer specific questions.
  - Created a frontend application with **Gradio** library to easily interact with this model.

Sky

Software Engineer Intern (07/2023 – 09/2023)   *London, UK*
- **CMS Platform Management**
  - Managed a Now TV app, which is used by **millions** of users around UK.
  - Contributed to frontend development using **JavaScript**, **TypeScript**, and **ReactJS**.
  - Worked with **MongoDB** for database management.
  - Automated builds and pipeline with **Jenkins** and **Bash**.
  - Collaborated in an Agile development, following Scrum methodologies.
  - Used GitHub for version control and project collaboration.

Sky Project:

Sky Social

Bootcamp project   *London, UK*
- Collaborated with a team during a 5-week bootcamp to develop a web application.
- Created this application while managing regular workload.
- **Tech Stack**: HTML, CSS, Java, ReactJS, SpringBoot, MySQL, AWS, Jenkins.

EDUCATION

Swansea University   **Swansea, UK**
- BSc Computer Science