

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 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