Robert Harbord

Email: robertharbord@hotmail.com Github: github.com/Lens101 Portfolio: lens101.github.io

Professional summary:

A meticulous, results driven software engineer. Experienced in NextJS, TypeScript, React, Python, CSS, SQL, mongoDB and CI/CD pipelines (Cypress, Jest). A strong listener that can communicate technical information effectively. Proven ability to multi-task and prioritize in fast-paced, stressful environments.

Experience:

Ningi, Fintech SaaS - Fullstack Software Engineer - (04/22 - Present)

An agile SaaS focused on the UK financial advice sector, targeting small - medium accountancy firms, working on customer engagement with an end goal of moving them onto our CRM.

- Built and packaged a 100+ component UI library in React, live in journeys now visited by over 35,000 users.
- Built a CI/CD testing infrastructure with Cypress and Jest, hosted on github actions. Reduced error reports generated by new PR's in Sentry by 16% in the 3 months following.
- Spearheaded document generation feature to improve financial adviser workflow, estimated time saved is 1 hour per report, with over 500 generated to date.
- Team lead on a project with a top 5 financial advice firm in the UK, delegating tasks, dealing with cross party communication and main bug / blocker resolver, wrote extensive documentation.
- Built flagship website: https://ningi.co.uk/

Freelance Web development (2021 - Present)

- Gathered customer requirements, designed and wireframed using Figma, then developed bespoke websites, using NextJS, ReactJS and Tailwind CSS.
- Performed SEO and provided analytics to give clients precise metrics upon which they could tailor their business.
- Built and optimized HTML email templates to improve click-through and conversion rates in marketing schemes.
- An example: https://clearwaterssv.co.uk/

Education:

B.S. Computer Science - University of East Anglia (2021) -   2:1

- Artificial intelligence
- Machine learning
- Computer vision
- Human computer interaction

Notable work:

Created a personable train ticket purchasing chatbot using Python and IBM Watson assistant.
The bot directs the conversation using a dialog flow appropriate to the user's questions, providing the correct ticket with high accuracy based on the information gathered in the conversation, recognising user intent and keywords such as station names, dates and times.

A levels: BBB - Computer science, Maths, Philosophy.

GCSE's: 4 A'* 4 A's, 2 B's

Skills:

Frontend: JavaScript (TypeScript, React, NextJS), CSS (Styled Components, TailwindCSS, Sass, Css in JS).

Backend: NodeJS, Ruby on Rails, Python.

API's middleware: GraphQL, Auth0, Postman.

Databases: SQL (PostgreSQL), MongoDB.

Miscellaneous: Chatbot development, deep learning classifiers, openAI API.

Devops: Git, Jest, Cypress, Sentry, Docker, HotJar, Jira and agile development (Scrum and Kanban).