

Maurice Murphy

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Portfolio: github.com/mauricetjmurphy

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EDUCATION

National College of Ireland, Higher Diploma in Science in Computing, Dublin | 01.21 - 01.22
Artificial Intelligence/Machine Learning
Modules: Software Development, Statistics, Artificial Intelligence, Machine Learning Fundamentals, Computer Architecture, Operating Systems and Networks, Object Oriented Software Engineering, Web Design and Client-Side Scripting, Introduction to Databases.

Code Institute, Diploma in Full Stack Software Engineering Dublin | 09.20 - 08.21
Modules: Programming Paradigms, HTML Essentials, CSS Essentials, User Centric Frontend Development, Comparative Programming Languages Essentials, JavaScript Essentials, Interactive Frontend Development, Python Essentials, Backend Development, Full Stack Frameworks with Django.

University of Westminster, BSc in Architectural Technology, (Hons 2:1) London | 09.13 - 07.16

TECHNICAL SKILLS

Design Tools: Balsamiq, Figma, Adobe [Photoshop, Illustrator, XD]

Languages/Frameworks: Python, JavaScript ES6, TypeScript, HTML, CSS, SCSS, Gatsby, NextJS, React/Redux, GraphQL, Git, Flask, Django, Docker

Databases: MySQL, Postgres, MongoDB

Career History

Freelance

Frontend web developer

Dublin | Current

- User Interface & User Experience Design (UI & UX).
- Wireframing & Prototyping.
- Responsive web applications design.
- Development of headless CMS sites using Gatsby & GraphQL
- SSR web applications using React & NextJS
- Design and deployment of Shopify ecommerce websites.
- Custom Shopify liquid theme design and modification.
- React frontend theme development in Shopify.

Foster & Partners

London | 06.18 - 10.20

BIM & Design Systems Coordinator

- Designed and delivered the project BIM Execution plan
- Managed teams on large scale projects
- Hosted weekly BIM coordination meetings to discuss project challenges and provide possible solutions. Developed workflows for various design stages.
- Identified opportunities and recommended solutions that enhanced the coordination and management processes.
- Developed the BIM integrated models for interdisciplinary coordination, clash detection and validation.
- Coordinated project teams and managed Revit model production and project content.
- Ensured company standards and workflows were applied and communicated to the project teams.
- Provided technical support for BIM enabling software applications to the project team.

- Provided one-to-one mentoring on company best practices and workflows to project team members as required.
- Reviewed clash detection reports with the project team.

Pattern Architects

London | 08.16 - 06.18

Architectural BIM Technologist

- Assisted in the production and coordination of several architectural packages.
- Responded to technical queries and prepared supporting documentation.
- Modelled and managed Revit families according to project needs.
- Monitored and updated product specifications.
- Collaborated with various disciplines to achieve BIM level 2 standard.
- Coordinated the project with external design consultants.

PROJECT EXPERIENCE

Recommender System

- Created a book recommender system using Singular Value Decomposition
- Currently in the process of adapting the recommender for use in my Fabrique e-commerce project below.

The Foodie

Web application written with Python, Flask and MongoDB

- Developed a food recipe community web application
- Designed the application from the ground up, starting with wireframes
- Used modern HTML and CSS to create a fully responsive web app
- All project changes were tracked using Git version control.
- The application was hosted live on Heroku

Fabrique

Web application written with ReactJS frontend, Python/Django REST API backend and PostgreSQL

- Created a REST API that served serialised data to the React frontend
- Developed an e-commerce full stack web application that implement JSON web token authentication.
- Implement a fully functional Stripe payment method
- Currently working on implementing the recommender system to provide customers recommendations based on their purchase history
- All project changes were tracked using Git version control.
- The application was hosted live on Heroku

Interests and Achievements

Tech Projects:

- Raspberry Pi enthusiast. Currently trying to build a home automation system.

Programming:

- I have participated in several university hackathons, working as part of a team to produce supporting software solutions.
- Participate and contribute to GitHub open-source projects.

Beer Brewing:

- Keen homebrewer. I was part of the London Amateur Brewers homebrew club before returning to Ireland. Continually trying to create and improve my recipes.

Cycling/Trekking:

- Completed the Camino De Santiago (850km).