

Joseph Harwood

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PROFESSIONAL EXPERIENCE

Kainos | Software Engineer

London, UK – 07/2021 to Present

Tools: JavaScript, Java, Node.js

- Work on Gov.uk

Reply | Software Engineer Intern

London, UK – 01/2021 to 04/2021

Tools: React, Node.js, Figma, Jira

- Responsible for implementing the checkout system in Reply's consultancy booking platform. This allowed users to quickly book a consultant using Stripe's payment API. Increasing checkout conversions by 50%.

JP Morgan Chase | Software Engineering Virtual Experience

Remote – 05/2020

Tools: Python, React, Git

- Interfaced with real-time stock trading data and displayed said data on charts to be utilised by data analysts.

IBM | Software Engineer Placement

London, UK – 07/2019 to 09/2020

Tools: React, Java, Node.js, Jenkins, Docker, AWS, Jest, Git

- Lead a team of 10 placement students tasked to create a web platform improving how performance reviews are conducted for undergraduates. Increasing speed of feedback from management by 200%.
- Conducted the modernisation of a flagship page in IBM Netcool Operations Insight. Converted WebGUI UI to React, implemented E2E and Unit testing of components.
- Improved the accuracy of machine-learned insights by 35% from the operational data managed by IBM Netcool.

PROJECTS

Datobotapp.com | (Python, React, Firebase, Google Cloud, SQL, MongoDB, AWS, Docker)

A web based natural language interface to databases that allows users to input plain English requests. The requests are converted into SQL using natural language processing techniques, the SQL then queries a MySQL database before displaying the results.

Tour De Manc | (PHP, JavaScript, SQL, PhpMyAdmin, Google Vision)

A web application for a real-world client, photographers can upload images of riders in a cycling race and using the Google Vision API the race number on the rider's bib is stored in a database.

EDUCATION

Manchester Metropolitan University

Course: Software Engineering

Graduated: Summer 2021

Grade: First Class Honours, 90%

Modules:

- Object Oriented Programming
- Web Development
- Mobile Development
- Database Systems

TECHNICAL SKILLS

Proficient: Python, JavaScript, Java, Node.js, React, Redux, Firebase, SQL, Git, GitHub, HTML, CSS, MySQL

Exposure: Docker, AWS, Jenkins, MongoDB, PostgreSQL, Google Cloud, PHP, PhpMyAdmin, Jest, Vue, Jira

COURSES

Coursera: Stanford University, Algorithms

Udemy: Modern React with Redux, Master Data Structures and Algorithms

VOLUNTEERING

CRED Foundation

Kampala, Uganda - 2017

As part of a team helped to raise £30,000 to buy teaching equipment for underprivileged children in Uganda. Taught Maths and English to the children of Kampala, Uganda.