Hello, I am pleased to present my application.

With over 5 years experience working with React I am looking for my next opportunity. Front-End Development is a turbulent field, with new and interesting technologies arising every week. As such, I am keen to work on a variety of projects. I am excited to have a project where I can practice my Typescript and test-writing.

I like to establish a solid management foundation for projects I am involved with. I find comfort in an agile workflow. To me, retrospectives, sprint-planning and a mastery-based culture are motivational. On top of my developer skills, I enjoy opportunities to lead teams or assist in the growth of my fellow employees.

My greatest asset is my ability to perceive and iterate on business processes. It is important that I learn from mistakes, and look with curiosity to the future. I have a history of working on data science projects, of which I enjoy the variety.

I am comfortable managing online communities, and presenting technical talks to large audiences. I have organised hundreds of tech events, podcasts and talks ranging in topic from "What is synthetic data?" to "CSS as a digital art form" at the University of Manchester, OpenDataMCR, HiPyLiv, TechNomads and beyond.

Please see many more examples of my work on my website, blog, or GitHub.

I look forward to speaking with you.

Joseph Allen

Joseph Allen

Curriculum Vitae

Skills

React, Redux, Javascript, Node, Jest, Storybook, HTML, SCSS, CSS, GitHub, Gatsby, GraphQL, Python, Flask, Firebase, SQL, BigQuery, PostgreSQL, Netlify, Heroku, Google Cloud, Docker

Experience

Apr 2018– Ongoing

Front-End Developer, *AvocadoGreen*

Remote work has been the norm for me since 2018, when I started my own software consultancy.

- Lead a team of six developers at Paragon Pictures. We are building a platform to automate video production using React, Firebase, Redux, Prisma and PostgreSQL. The platform is hosted using GitHub, Netlify and Heroku with automated deployments. I introduced an agile culture to a company with no software development experience. 8 months in the team is self-sufficient. I have assisted in the writing of InnovateUK grants.
- Lead a team of four developers in in the construction of a React application for the Telcom space.
  - We used Redux for state management.
  - We deployed using Netlify and GitHub.
  - Introduced an agile culture with retrospectives, sprint-planning and mastery time.
  - Testing with Jest and Wraith.
  - Hosted a component library in Storybook, whilst making use of Material-UI.
- Built Ortom to help a local data science consultancy promote itself, increasing traffic ten-fold. This site makes use of React, Gatsby, GraphQL, SCSS and Netlify CMS.
- Built the OurSongRequest MVP using React, Firebase, Express and Google Cloud Functions.
- Built Munch, a Chrome extension built in React that shares recipe's with over 500 users.
- Built a website for Red Meters which uses React, Gatsby, GraphQL, Netlify CMS and Netlify. Managed a team of three developers in the building of an IoT-connected mining device. Developed data-driven experimentation and reporting to improve the neural network running this device, reducing error from 44% to 2.6%.
- A variety of Digital Art projects making creative use of digital skills.
  - Built the Gene Machine player in JavaScript and jQuery to promote solo artist LA Priest's new song, now heard by over 100,000 listeners.
  - Built a React application for the digital art piece, Spectre, which ran on a Raspberry Pi.
  - Built two React Apps and a Flask API hosted with Netlify and Heroku. This system judges users based on their social media preferences and guides them through a physical maze for the award-winning interactive art piece, Raised by Google.

2015–2018

Front-end Developer, *LateRooms.com*

At this travel retailer I learnt the fundamentals of modern software development.

- Built an npm package to generate white label sites. Node and SCSS made generating new brands simple.
- Built a React dashboard to allow the Data Science team to track the progress of their geo-shape experiments.
- Worked in a team developing a new React platform.
- Maintained an existing framework built using Node, Handlebars and Mocha.
- Implemented a new hotel ranking algorithm in Python which delivered over a million pounds in additional revenue that year. We monitored this using SQL and Google Big Query. Many projects focused around the use of Google Cloud and Docker.

Education

Bachelor of Computer Science and Mathematics with Industrial Experience, *The University of Manchester*, BA (Hons) 2:1