

I am pleased to present my application.

I enjoy a variety of roles. I am motivated by learning, and then teaching my skills to others. I am comfortable in the worlds of Front-End Development, Data Science, Project Management and much more.

With over 5 years experience working directly with [React](#), this CV can only have space for some of my most interesting projects. Front-end development is a dangerously turbulent field, and failure to adapt is catastrophic. As such I am keen to have opportunities to work on greenfield projects, with new frameworks and technologies. I am particularly keen to work on a project using [Typescript](#), with a good testing strategy.

Wherever I work I instill a baseline of project management. Aspects of AGILE working are essential to delivery. If you don't already offer retrospectives, sprint planning and a mastery culture, you will shortly after hiring me. On top of my developer skills, I enjoy leading a team and managing the growth of juniors. I aspire to further my skills as a team lead wherever possible. Any opportunity to lead, or work within a team is welcome.

My greatest asset is my ability to perceive and iterate on business processes. Incremental learning is essential to me, and it should be to any team I join. We must reflect on our past, and look curiously to the future.

Beyond my professional life I host [PyDataMCR](#). I have grown this group to over 2000 members. This growth lead to sponsorship from Google and compensated attendance at Google Cloud Next. 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

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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. As usual, I introduced a AGILE working to a company with no software development experience. 8 months in the team is self-sufficient.
- Lead a team of four developers in the development of a **React** application for the Telcom space.
 - We used **Redux** for state management.
 - We deployed using **Netlify** and **GitHub**.
 - I 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**. This site makes use of my usual stack 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 lists random 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 development of an IoT-connected mining device with **Red Meters**. Lead 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** for solo artist **LA Priest**.
 - Built a **React** application for **Spectre** which ran on a Raspberry Pi.
 - Built two **React** Apps and a **Flask** hosted with **Netlify** and **Heroku**. This system judges users based on their social media preferences and guides them through a physical maze at **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 new white label site. **Node** and **SCSS** made generating new brands was trivial.
- Built a **React** dashboard to allow the Data Science team to track the progress of their geo-shape experiments.
- Developed a new **React** platform, to provide a solution to the full travel experience.
- Maintained an existing framework built using **Node**, **Handlebars**, **Mocha**.
- Implemented a new hotel ranking algorithm in **Python** which continues to deliver over a million pounds in additional revenue each year. We monitored this using **SQL** and **Google Big Query**. Many projects focused around the use of **Google Cloud** and **Docker**.
- Developed a **Flask** API to return customer preference search based on Analytic Hierarchy Process.

See some of my projects at joseph-allen.github.io

Education

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