

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.

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 front-end 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 GCP 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](https://joseph-allen.github.io)

### Education

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