



## James Cleveland : Node.JS, React and Redux Software Engineer

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I'm a South-East London based, passionate, experienced developer with a whole range of experience in various languages and fields. I'm a quick study, interested in emerging technology, and have exceptional analytical/problem solving skills.

### CORE SKILLS

#### JAVASCRIPT

I love keeping up to date with bleeding edge patterns and technologies. I started using React and Redux when they were in infancy, TypeScript because having typed code is much more reliable and maintainable whilst enjoying the benefits of the latest ECMAScript features, such as generators, async/await and sane block scoping. I've built a huge variety of services using Node.JS and often Koa (or Express). I usually test using Mocha, Enzyme and Chai, but have also coded tests for use with Selenium. I'm also experimenting currently with ReasonML, because I enjoy programming functionally and declaratively and being able to harness the power of the OCaml language on the web is exciting.

#### DEVOPS

Managing systems made of many various moving parts and services requires the necessary thought in order to keep things running smoothly. For this, I've used tools such as Ansible, Docker, Marathon and Mesos to manage clusters of applications. I also have many years experience as a Linux systems administrator.

#### GENERAL FRONTEND

I've also used CSS, LESS, SASS, gulp, grunt, and WebKit to compile and automate builds.

#### ARCHITECTURE

I'm always involved in planning the architecture of a system I'm building, whether that's analysing data and goals to create well thought out, efficient database schema, thinking about how to manage high volumes of traffic with scalable queue based systems, or deciding when a service needs to be rebuilt on a microservice based architecture.

#### DATABASES

Whilst starting from a traditional SQL background many years ago, it's important to analyse which database system is fit for purpose, so I've also extensively used NoSQL tools such as Redis, MongoDB, and Couchbase.

#### PROBLEM SOLVING

Whenever there's a technical emergency or others simply can't figure something out, due to the breadth of my knowledge and ability to think fast and methodically, I'm often the go-to person to fix things.

#### GOALS

I'm looking to work with companies where I take ownership of projects and am involved in architecture and building software from start to finish.

## RECENT WORK

### ON THE DOT

I joined On The Dot (previously known as LastMileLink Technologies) in July 2017. I was a developer in the team responsible for the development of the front-end UI, mainly their allocation UI, which was responsible for controllers allocating deliveries and bookings to couriers. I was also part responsible for refactoring the entire codebase to use modern practises and patterns such as redux, redux-observable (for side-effects), and React 16. In this company I also started taking responsibility for several backend projects, and took ownership of the authentication framework (based on Auth0), authorization system (based on AWS Lambda and JWT), and various other services involving user management and automated API aggregation (using Swagger, AWS API Gateway, and Apigee).

### SMARTFOCUS

Joining in March 2015, I was a Lead Software Engineer in the innovation and front-end teams at the London based marketing technology company SmartFocus, and built and rebuilt a vast amount of their frontend code and internal services.

In this role, I mainly worked with JavaScript/ECMAScript, React, Redux and Node.JS. I architected and built the mainstay three of their current and future products and mentored other engineers, creating patterns and practices that are widely commended within the technical team.

If there was a problem that needed solving or input required, for instance database architecture, general architecture, or being involved with the UX and general product design process, I was quickly been able to tap into my skills and learn whatever else is necessary to solve a problem or improve a solution.

## LESS RECENT WORK

### LEAD FRONTEND DEVELOPER, BOOTBAG (2014-15)

I worked prototyping and building the frontend for a startup using ReactJS.

### TECHNICAL DIRECTOR, LINKS CREATIVE (2013-15)

I worked as Technical Director for a small Brighton based agency. Mainly using Django, AngularJS, jQuery and PHP, I took projects from ideas in clients' heads to fully developed products.

### WEB DEVELOPER, FREELANCE (2010-13)

When I moved to Brighton I dropped myself into the deep end and rapidly learned to network, project manage, and rely on rapidly improving my technical skills to meet demand.

### WEB DEVELOPER, PRIMROSE LONDON (2009-10)

I furthered my knowledge of PHP and systems administration, integrated Linux servers

## OTHER SKILLS/TECH

### JAVASCRIPT

TypeScript, React, Redux, Flux, React-Bootstrap, ReasonML, RxJS, ES201x, Webpack, Gulp, Mocha, ImmutableJS, GraphQL, Websockets, Socket.IO, ZeroMQ, Oao, Lerna

### PYTHON

Django, Flask, Twisted, Cython, Jinja2, Celery

### DEVOPS

Apigee, CircleCI, Docker, Concourse, Mesos, Marathon, ECS, Apigee

### DATABASE

PostgreSQL, MySQL, Couchbase, MSSQL, MongoDB, Redis, GraphQL, CouchDB

### FRONTEND

CSS, Bootstrap, SASS, LESS, Foundation, HTML5, XML

with Active Directory, and set-up version control using Git.

## **MISC**

Git, SVN, BDD, TDD, Vagrant, Nginx, Apache, Agile, JIRA, Trello, C++, C, x86 ASM, C#, Qt, C30

## **ABOUT ME**

I don't see programming and computers as simply a job, but part of who I am. I think the world is going through very interesting times and it will be passionate programmers and thinkers that will play an important part in shaping it. In Brighton I often helped out with putting on shows and DJing club nights. I enjoy going out with friends and finding new bands or other weird and wonderful things to do. I am a keen follower of current affairs, especially from a technical standpoint, and think a lot about the world and am interested by new developments politically and scientifically.