



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

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I'm an 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, Redux, and ImmutableJS when they were in infancy, and use Babel to allow me to utilise the latest features and tools of the rapidly improving ECMAScript standard, such as generators, async/await, and using static typing systems such as Flow. I've built a variety of services using Node.JS and often Express. I usually test using Mocha, Enzyme and Chai, but have also coded tests for use with Selenium.

#### 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.

## CURRENT EMPLOYMENT

Having joined in March 2015, I'm currently employed as a Lead Software Engineer in the innovation and front-end teams at the London based marketing technology company SmartFocus, and have built and rebuilt a vast amount of their frontend code and internal services.

In this role, I've mainly worked with JavaScript/ECMAScript, React, Redux and Node.JS. I've 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's a problem that needs solving or input required, for instance database architecture, general architecture, or being involved with the UX and general product design process, I've quickly been able to tap into my skills and learn whatever else is necessary to solve a problem or improve a solution.

## OTHER EXPERIENCE

### 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 with Active Directory, and setup version control using Git.

## OTHER SKILLS/TECH

### JAVASCRIPT

React, Redux, Flux, React-Redux, React-Router, React-Bootstrap, Yarn, Angular, RxJS, Babel, ECMAScript 6/7, Webpack, Gulp, Mocha, Chai, Lodash, ImmutableJS, Bluebird, GraphQL, Websockets, Socket.IO, Flow, ZeroMQ

### PYTHON

Django, Flask, Twisted, gevent, Cython, Jinja2, Celery

### DATABASE

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

### FRONTEND

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

### MISC

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

## 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.

