David Thompson

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About Me

I am a very user-focused engineer, I believe in creating experiences that everyone can interact with and enjoy. Coming from a musical background I see myself as quite creative, I have more of an affinity for Frontend development because of my love of sleek & innovative design. My skills in Backend development allow me to take features from conception to completion without a Backend/Frontend divide.

I am predominantly looking for a role as a Full Stack Engineer.

Key Technologies: Javascript, ES6+, React, React Native, Node, Python, Django, GraphQL, CI/CD, AWS.

Likes: reading, playing music, smart home, interior design, bowling (I'm not good at it I just like it), animals (especially penguins and cats), plants & flowers.

Experience

Lantum
lantum.com

— *Senior Software Engineer (London)*

September **2019** - Present

Since returning from Los Angeles I have resumed my previous responsibilities and have begun mentoring two of our newest graduate developers. My mentoring consists of lots of pair programming (both work related and general like Codewars & LeetCode), code reviews & gathering constructive feedback from their teams on their soft skills and processes.

— *Senior Software Engineer (Los Angeles)*

July **2019** - September **2019**

In early June the company had been granted a place on the Cedars Sinai Accelerator, a three month programme to get startups to build software for their hospital in the hope of having your system rolled out throughout the hospital group and funding/investment. I was asked to fly to Los Angeles and work on the accelerator with one other engineer, CEO, head of Design and the VP of Product.

During our time we attended numerous meetings & talks to get to know how our product might fit not only into their specific systems but also the US market. We ended up building an integration between their WFS (workforce scheduling) software and our Product, allowing us to autonomously understand acuity, overtime hours, working time directives and automatically fill/swap shifts when somebody called in sick to their HR system.

After three months we were awarded with funding and investments from Cedars Sinai and continue to work alongside them while branching out into other hospital systems in the US.

— *Tech Lead*

June **2018** - July **2019**

Additional responsibilities to those mentioned below include managing three engineers, hiring new candidates, working with the senior team to architect upcoming features and work, tracking and evaluating squad goals, mentoring and providing adequate training for other members of the tech team, organising tech related escapades and learning opportunities.

My main focus as a tech lead has been to build a diverse team of engineers and to make sure they're as happy in their role as they can be. To make sure I was doing the best I could I went to multiple training days/seminars, have become an active member of the Rands Leadership Slack and have begun reading some management literature such as "Thinking, Fast and Slow" and "Radical Candor".

— *Full Stack Software Engineer*

October **2017** - June **2018**

In my time at Lantum I've worked on a wide array of areas such as billing (creating automated invoice generations & introducing subscriptions), creating the new React website and the new React Native app, building a scheduling/rostering tool and more features & bugfixes than could fit on a page.

We are working with microservices written predominantly in Python (mainly Django - which doesn't work amazingly in a microservice architecture but is a product of moving from a Django monolith to distributed systems; and some newer services using Flask), we also have a couple services in NodeJS. As for the Front End we had an existing Angular1.x-Redux application which we converted to React, allowing us to also use React Native to create cross compatible mobile applications for our platform (and allowed us to share code between web and app).

We are all responsible for the devops tasks including continuous integration and delivery using Jenkins and Travis, DockerHub to store our docker images and Kubernetes to host and manage our clusters with AWS (which also hosts our RDS database and S3 buckets).

Technologies used:

- – **Front End:** React, React Native, Angular, Typescript, Flow, Redux, GraphQL (Apollo), Styled Components, Jest, Enzyme, React Testing Library, Cypress.
- – **Back End:** Python (Django & Flask), NodeJS, Docker, Docker-Compose, Redis, PostgreSQL, GraphQL.
- – **Other:** Kubernetes, AWS (EC2, RDS, S3, DynamoDB, Lambda), Jenkins, TravisCI, Sentry, Papertrail.

<u>Acorn</u> — *Software Engineer*

getacorn.com

April **2017** - October **2017**

At Acorn we built an app which helps parents to find and book activities for their children. I was with Acorn from the beginning of their development through to the launch and growth of the app.

I was able to build all of my projects from the ground up such as internal analytics, content management systems and external dashboards for vendors using the application. All of which have been built using ES6, React, Redux, Webpack, SCSS. We also used React Native alongside our Swift and Kotlin apps to display shared web/app content.

I was also able to set in place the development environment from the start, taking advantage of continuous integration and delivery using CircleCI, Google Cloud Platform, Kubernetes & Docker.

iRiS Software Systems — *Software Engineer*
iris.net

May **2016** - October **2017**

iRiS specialise in software for some of the biggest names in the hospitality industry. In my time working for them I created bespoke applications for many hotels in React and React Native while also working on the core platform, a native app with a content management system written in C# .NET and AngularJs.

I began working with iRiS on their main web application, a guest experience platform which was a templated website which each hotel could control and edit via their content management systems. This app contained many features including restaurant ordering, messaging, room automation and multi-lingual support.

I later began working closer with the room automation team, creating APIs to work over zigbee that would enable two way communication between lights, blinds, thermostats, fans, TV and locks.

A few of the clients I have worked with in my time at iRiS: Marriott, Accor, Hilton, Four Seasons, Waldorf Astoria, W Hotels and Sofitel.

The Beardy Developer — *Freelance Software Engineer*
thebeardydeveloper.com

2014 - **2016**

I worked on a number of small projects as a freelance web developer from building and managing shopify pages to personal websites and mobile apps which at the time were just browser wrappers using Cordova.

Education

Birkbeck, London — *MSc Computer Science*

2015 - **2016**
Awarded Merit

Canterbury Christ Church University, Kent — *BMus (Bachelor of Music)*

2010 - **2013**
Awarded 2:1