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Personal Profile

Passionate programmer building robust apps for the web with expertise in performance and security. I thrive in systems architecture, taking ideas from clients and translating them into a technical specification with a view towards delivering a viable product to market. In my spare time, I enjoy learning new languages (Spanish, Korean and Italian), playing Badminton, travelling and writing for my blog (<https://blog.joshghent.com>). I act as lead maintainer of the open source project called ESFiddle (<https://esfiddle.net>), as well as contributing to various others such as Homebrew, League-for-Good and FreeCodeCamp.

Work Experience

CloudCall - Software Engineer - *Feb 2018 - Present*

Worked on building brand new GDPR consent, instant messaging and SMS features into their existing telecoms application with deep integrations with our CRM partners. Our product is used by over 27,000 people across 500 companies worldwide.

Promoted to our newly developed platform team and heading up designing a public API and writing all documentation as well as being heavily involved in systems architecture and technology choices for new features.

Lead maintainer of the backend SMS and Instant messaging services and point of call when there are any issues.

Utilized Typescript, Node js, C# (.NET Core), and Angular 5. Further, I have acquired industry level knowledge in AWS (Lambda and ECS), RabbitMQ, Jenkins, Docker, Pubnub and Elasticsearch.

As part of this role, I have given talks at a number of technical meetups, speaking about performance, application security, and development best practices in enterprise.

Additionally, I organised a meetup called [LeicesterJS](#) which has been a hub for Leicester JavaScript developers and averages around 35 people in attendance at our monthly event. My employer CloudCall was the primary sponsor for the event and gave me time to organise the meetup. My duties ranged from advertising, booking speakers, ordering catering and welcoming people on the day.

Frogspark Ltd - Full Stack Developer—*Jan 2017 - Feb 2018*

Responsible for taking client specification right from the genesis of the idea right through to delivery. Including, database and API architecture and development.

Utilized MySQL and Redis for storing data and managing queued jobs (respectively).

Maintained and improved on large scale code bases using PHP and Laravel.

Led the introduction of new development workflows using Wordpress, Docker, Laravel, React and Heroku.

Open Source - *Ongoing*

I have worked extensively on open source projects as well as managing my own. Listed below are some I've worked on.

ESFiddle - Acting as lead maintainer, I encourage new contributors and long term team members alike as well as steering the project overall. ESFiddle allows for developers to test out the newest Javascript

specifications. We now have over 50 contributors from all over the world and have been featured in the YDKJS book series which has sold over 100,000 copies.

Freecodecamp - I acted as contributor for this project, introducing new features and improving documentation for the over 20,000 users.

GifBar - A Mac menu bar application build using React. It integrates with the Giphy API to find your favourite gifs right from your mac's menu bar.

Strawpoll - I built this as an open source real time polling application using socketio, node, and mongodb.

Deepclone - A small javascript library for cloning any data structure. I built this to solve problems I had with applications I was building at work.

SchoolPod Ltd – Software Developer—Apr 2016 – Dec 2016

Played a leading role in the development of a parents evening product in Javascript and T-SQL used by over 150,000 parents, from 700 schools, in 3 different countries.

Took suggestions from customers and translated them into a technical specification.

Created a robust API to handle the sending of over 500,000 parent invitations.

Profile of Skills

Languages – Javascript, PHP, Python, Java, HTML5, CSS3, SQL/NoSQL
Databases, SASS

Frameworks – NodeJS, Laravel, ReactJS, Express, Build tools (Webpack, Gulp, Grunt), Typescript

Databases - MySQL, Redis, MongoDB, T-SQL, PostgreSQL

Tools – Dockers, Continuous Integration (Travis, Circle), AWS (S3, Lambda), Git, Heroku, Vagrant, ESLint

Education

Loughborough College – Space Engineering

A Level – Physics

BTEC Level 3 – Engineering

This course, sponsored by the UK Space Agency, allowed me to develop my team working and problem solving skills while achieving my qualifications. It helped me to cultivate determination to do my work and commitment to stick with my final project.

Rawlins Community College

GCSE – Physics (A), Chemistry (A), Biology (B), Maths (B), English (B), French (C), History (C)

Stanford Online – Computer Science 101

97% Score

Certificate can be provided upon request