

Brian Smith - Software Engineer

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  mobile: (+353) 838100085,  
  email: briansmith.work578@gmail.com,  
  website: www.bsmithdev.com  
  github: https://github.com/bbsmithy  
  linkedIn: www.linkedin.com/in/briansmith-123  
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Profile

I am a motivated problem solver with a passion for programming and entrepreneurship. The main technologies and frameworks I use to build web and mobile applications include: Javascript, React.js, React Native, Node.js, Java for native Android development, Python and Amazon Web Services. I enjoy working on products that are technically challenging and make a difference to peoples lives. I also have a keen interest in machine learning and the reading about the brain. I run a development blog called www.bsmithdev.com where I write about interesting programs I work on in my spare time. I play hurling for my local team Ballinteer St.Johns and have represented Dublin hurling at Minor and under 21 level.

Education

Leaving Certificate - St.Benildus College

FIT Software Apprenticeship Program - (Sponsor company Accenture The Dock)

Self Taught Developer for the most part using books and online resources

Languages

Javascript, Python, Rust, Java (Android SDK development), Bash Scripting, SQL

Frameworks and Technologies

React.js, React Native, Redux, Node.js, Flask, HTML5, CSS3, D3.js, , Express.js, Native Android Development, MongoDB, Amazon Web Services, AWS Lamda, Elastic Beanstalk, Firebase, Docker, Git, Github, Jira, Trello, VS Code, Android Studio, Xcode, Slack, Postman

Experience

React.js Developer @ Clearstream - March 2019 to Present

After working at Cartrawler for nearly 2 years I decided to move to Cork city to work on Clearstream's Digitization project as a contract React.js developer. My job is to build the frontend review dashboard for Clearstream's digitisation platform using React.js and Redux. The digitisation platform aims to digitise unstructured data about trades that Clearstream receives from various sources such as emails, faxes and partner FTP/Websites and feed Clearstream's backend systems. I work closely with the backend team who are building out a microservices architecture to process PDF resources and extract trade

data using machine learning and template data extraction.

Software Engineer @ Cartrawler - August 2017 to March 2019

I was accepted onto the Fast track to IT program with Accenture The Dock as my sponsor company. There I spent 3 months on a **C#** course run in DDLETB Tallaght Training Centre with FIT. I was then offered a job by Cartrawler's CTO at the time Bobby Healy, who was looking for young developers to join Cartrawler's new mobile development team. I spent a year and a few months working on Cartrawler's on-demand taxi mobile application (Cabforce On-Demand) with **React Native and Redux**. It has now been released with Emirates (Emirates Skywards Cabforce). I worked mainly on developing the on-demand **Android SDK** so clients could integrate our taxi app into their Android app. This involved native Android development (Java) and some interesting work to communicate across the React Native bridge between Javascript and Java. I then moved on to Cartrawler's frontend web platform with **Javascript, HTML5 and CSS3 and the Java Play framework**. Some of Cartrawler's clients websites I've worked on include Emirates, Ryanair, EasyCar and Hawaiian Air.

Part-time CTO @ Sweep - April 2018 to April 2019

I worked on car buy and sell mobile app in my spare time called Sweep for a year with a friend of mine who is CPO at another start up in Dublin. I developed an iOS and Android app using **React Native and Redux**, a secure backend using **Node.js/Express.js with a MongoDB database** running on **AWS infrastructure**, an **image compression AWS Lambda function** written in **Python** and a web scraper written

with **Node.js** to synchronise our backend with our potential partner's websites. The project has since fallen through and I've learned valuable lessons about how important it is to choose carefully who you work with and also carefully decide what projects to work on.

Co-Founder @ CS Software - Feb 2015 to April 2018

After starting my hurley making business I found it hard to find cost effective web development services, I decided that there was a gap in the market for low cost web development services. So I started a business called Dundrum Web Design with a friend of mine from school. Over the next few years we designed and developed web applications part-time for Irish SMEs using **JavaScript, ReactJS, Firebase**. We soon changed the name to CS Software. We initially started selling web design services to businesses in our local area. Our biggest job was a website for Dominick Comerford Architects but after that we decided we wanted more challenging work and moved on to building web applications. I then worked on a web application (for a local gym owner) called ineedatrainer which was to match people across Dublin with personal trainers. It had a Firebase backend and was initially built with vanilla Javascript and HTML5 on the frontend. I also built a web app with an image archive management system for my old school St. Benildus College. I used React.js on the frontend and **Node.js/Firebase** on backend <https://benildus-college.firebaseio.com/> .

Founder/Hurley Maker @ Smith Hurleys - March 2014 to Feb 2015

I started Smith Hurleys when I was in secondary school as there were no hurley makers on the Southside of Dublin. I had been doing woodwork and really enjoyed it so I set about learning how to make hurls and from there I launched a business. I started selling my hurls to friends on my team and in school. But soon found the consistency of my hurls was not good enough to compete with hurls from down the country. In hindsight I should have spent more time improving my hurling making skills and perfecting the craft before trying to sell my hurls. While I was setting up my business I built a website to sell my hurls, this was my first introduction into web development and the world of software.

References

References available on request.