

Josh Mills

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Experience

Appt Health

LONDON, UNITED KINGDOM

Lead Developer

July 2020 - Present

Appt Health helps the NHS provide preventative healthcare by automating the call and recall process for patients. We have automated SMS and letter invitation channels, a GUI booking tool for staff calling patients over the phone and a small windows application built with Electron.

As the lead developer at Appt Health since the project's inception, I have developed and maintained a software system that handles sensitive patient data and that integrates with several NHS APIs. The clinical risk involved required a rigorous approach to all aspects of development and testing.

I've led and managed a small team of other developers; doing so has been an exciting challenge that has further developed my technical and interpersonal skills. It is my responsibility to set our software development standards, encourage and train other developers, manage our backlog and sprints, have the final say on large architectural or security decisions and evaluate new technical hires.

Stack: C# Dotnet Core, ASP.NET, Docker, FHIR, SOAP & REST APIs, ABP Framework, DDD, BDD (XUnit, Specflow, Cypress), CI/CD (Azure Pipelines), Razor pages, Angular, Postgres, Git, Electron, WiX

The Day News & Media

LONDON, UNITED KINGDOM

Full Stack Developer

July 2018 – June 2020

The Day had a bespoke PHP static site generator; my work revolved around replacing this system with a bespoke Rails CMS. I had my first chance to work in a test-driven development environment which was a formative experience in my technical development. For the most part I was the sole developer managing both the technical and non-technical needs of a long-term project.

Stack: Ruby On Rails, PHP, Git, Docker, TDD (RSpec), CI/CD (CircleCI), AWS, Svelte, Sass, Elasticsearch, Redis, Postgres

Nublu

LANCASTER, UNITED KINGDOM

PHP Developer

Oct 2015 – Jan 2018

Nublu is a web development agency, for which I worked on a number of ecommerce sites. For example, I was the lead backend developer on a CakePHP new build; I worked very closely with the client and with the frontend devs.

Stack: PHP, Magento, CakePHP, Laravel, Git, MySQL

Skills and interests

Workplace Skills: Enthusiastic and humble attitude to peer programming and code reviews. Experienced with managing a development team. Confident working closely with non-technical members of the team and with clients. Happy to work in an agile development environment and strong proponent of BDD and TDD. Very comfortable adapting to new tech stacks and problem domains in order to become a productive member of a team quickly.

Interests: Reading, languages, linux, free software, privacy, games (board and video) and travelling.

Education

Lancaster University

LANCASTER, UNITED KINGDOM

MSci Hons Computer Science

2014 – 2018

I graduated with a masters in computer science. I particularly enjoyed the modules on embedded systems, operating systems and distributed systems. Most of my programming experience during this time was in C and Java. I also did a placement with a local resilience forum working on a VoIP system, built in C++, that facilitates communication during emergencies such as flooding.

Winstanley College

WIGAN, UNITED KINGDOM

A Levels: Maths, Further Maths, Computing

2012 – 2014

References

Available upon request.