

Josh Mills

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Experience

Appt Health

Lead Developer

LONDON, UNITED KINGDOM

July 2020 – April 2024

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

As the lead developer at Appt Health since the project's inception, I was responsible for developing and maintaining a software system to handle sensitive patient data and integrate with several NHS APIs. The clinical risk involved required a rigorous approach to all aspects of development and testing.

I led and managed a small team of other developers; doing so was an exciting challenge pushed me to be a better communicator and leader. It was 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

The Day News & Media

Full Stack Developer

LONDON, UNITED KINGDOM

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, Selenium), CI/CD (CircleCI), AWS, Svelte, Sass, Elasticsearch, Redis, Postgres

Nublue

PHP Developer

LANCASTER, UNITED KINGDOM

Oct 2015 – Jan 2018

Nublue 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 open 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 B2B 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, hiking, climbing, cycling, linux, free software, games (board and video), chess and travelling.

Non-commercial projects: Mostly small games built with rust or godot. The latest is a chess game/engine.

Education

Lancaster University

MSci Hons Computer Science

LANCASTER, UNITED KINGDOM

2014 – 2018

During this time I did a placement with a resilience forum working on a C++ VoIP P2P client, that facilitates communication during local emergencies such as flooding.

Stack: Java, C, C++

Winstanley College

A Levels: Maths, Further Maths, Computing

WIGAN, UNITED KINGDOM

2012 – 2014

References

Reference with the CEO of Appt Health available upon request.