

JAMIE SMAILES

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EXPERIENCE

JUN 2022– PRESENT

SOFTWARE ENGINEER, AGILIO SOFTWARE

I currently hold a position on the team responsible for the development and maintenance of the market leading workforce and compliance management platform which has over 200k active users and is used in over 70% of GP Practices in the UK. As a full-stack developer, I cover a wide range of responsibilities, Including:

- Developing new features.
- Resolving complex support escalated issues.
- Database management.
- Implementing performance enhancements to the growing system.
- Writing automated tests.
- Crafting migration scripts to support our multi environment processes.
- Performing log analysis to identify and fix reoccurring issues before users contact support about them.
- Mentoring junior team members.
- Collaborating with the product team to refine requirements.
- Working closely with the QA team to ensure the testing process is as smooth as possible.

My favourite achievements:

- Lead development on the successful creation of an API for the new mobile app.
- Dealing with system growth problems by implementing various performance improvements;
 - Reworking many Entity framework queries leading to less strain on DB and faster load times.
 - I utilise tools such as Elasticsearch to make complex read operations more performant and to again take strain off the DB by making the ES index do the heavy lifting.
 - I enhanced the systems email mechanism by moving it to an async scheduled job following the outbox pattern and took advantage of amazon SES bulk email templates to make it even more efficient sending the same email to different recipients.
- Making security a first-class concern; I researched and implemented a Content Security Policy not only on my product but on various products across the business. I am constantly monitoring for security vulnerabilities when developing such as potential opportunities for IDOR attacks.

C# | JavaScript | SQL | HTML | CSS

.NET | jQuery | Entity Framework | NHibernate | Web API | Elasticsearch | Kendo UI

SEP 2021 – JUN 2022

IOS MOBILE APP DEVELOPER, N/A(ACADEMIC)

As part of my final year project at university I created an IOS fitness tracker app which implemented behaviour change techniques as researched backed methods to make the app more effective at encouraging users to work out more frequently. This project involved a lot of independent learning as this material was not offered by the university. I acquired the knowledge to build the app through first completing courses on Udemy then undertaking smaller projects to build up to this.

Swift | Swift Storyboard | Swift UI | Core data

EDUCATION

BSC (HONS) COMPUTER SCIENCE NORTHUMBRIA UNIVERSITY

Grade: First class honours

- Web programming (HTML | PHP | CSS)
- Object Oriented Programming (Java)
- Software architecture for games (C++)
- Databases (SQL)
- UX Design

RECENT PROJECTS (2025 +)

GIMS – General Inventory Management System (Web App)

Backend: REST API | Entity Framework Core | Seq | C# .NET

Frontend: React.js | HTML | CSS

UserAuthAPI

Authentication API created using the Microsoft Identity package. This was used as the authentication provider for the previously mentioned GIMS.

ABOUT ME

Outside of work I am an active guy and enjoy the outdoors, my hobbies include running, hiking, bouldering and the gym. I also like to be constantly learning, so I am usually looking into new technologies and diving deeper into ones I have already been exposed to enhance my engineering capabilities.