

Adam Farquhar

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Profile

A inquisitive software engineer with a number of years experience in frontend and backend development. Skilled in teamwork, leadership, and creative thinking, along with a calm demeanour and positive attitude.

Experience

Software Engineer Ryanair Madrid - 2019 Autumn - Present

Full stack development on a WPF, DotNet core, microservice solution deployed to AWS. Following test driven development and domain driven design best practices.

A vital part of the team following a lean kanban development process, delivering features based on product owner stories. Writing performant code throughout each layer including UI, backend, and database layer. I take part in a large number of code reviews and refactoring sessions. Many of the architectural decisions are based around keeping large amounts of data synchronised across multiple microservices and maintaining high availability.

A key member in architecture and solution white boarding sessions to collaboratively break down large problems and spread knowledge within the team.

Furthermore, I also write tools to help improve our development process and maintain build stability including automated deployments and implementing git hooks for the various repositories.

Working for Ryanair also presented me with communication challenges, as I lived and worked in a country where I don't speak the native language. This forced me to grow in my communication and collaboration skills and provided me with an incredible amount of experience.

C#, DotNet Core, WPF(XAML), SQL(Postgres), Entity framework core, LINQ, PowerShell, AWS, Visual Studio, Resharper, Jira, Bitbucket, Jenkins

Software Engineer Bet365 - 2018 Autumn - 2019 Autumn

Full stack development on low-latency, high-availability solutions for the members team on the world's largest betting site. Touched all areas of user accounts and bank transfers. Used C# to develop micro services and sites, with supporting unit tests using moq.

Key projects included a pipeline refactor and a major refactor of mobile and web solutions. Developed backend solutions for multiple country specific verification flows, as well as liaised with design to implement the frontend.

Was given ownership of three significant solutions (payments, bank service, and responsible gambling service). This entailed overseeing and auditing changes to projects and being a first response knowledge hub for these solutions.

C#, JS TypeScript, HTML5, CSS, SCSS, SQL, JSON, PowerShell, Jira, Visual Studio, GitLab, moq

Graduate Software Engineer, Avecto – 2016 - 2018

Test driven development on a large scale ASP.NET MVC Enterprise Reporting Platform, designed to handle transactions from 100,000's of endpoints. Taking part in a full development life cycle in an agile environment as a crucial part of a scrum team.

Originally on an Azure only solution, taking advantage of Azure specific technologies such as Azure service bus, SQL Azure and Azure run books. Backend development revolved around writing secure, unit tested API's both customer facing and internal.

I have also implemented modifications to SQL databases including writing migrations, scheduled jobs, and creation scripts. As part of the latest rewrite of the main product, I gained experience with AWS and Azure deployments and significant exposure to service fabric.

A significant amount of time was dedicated to extensive unit and integration tests using technology such as FakeItEasy. I also played a key role in support for the product, working closely with the support team to help rectify customer issues and implementing fixes when required.

Along with day-to-day development, I was a key member of the CSR social enterprise team that organised events for other members of staff and myself. These events allowed us to help share skills with the local community, the most common events were Hackathons, in which we mentored attendees.

C#, .NETCore, .NETStandard, JS, TypeScript, HTML5, CSS, MSSQL, Angular, Service Fabric, Redis, PowerShell, Git, Entity Framework, LINQ, TFS, Azure, AWS, npm, webpack, node, GIT, VSCode, Visual Studio, TFS

Junior Developer, CSConsult, – 2014 Summer

Full time development role focused around maintaining parts of CRM systems, managing a number of company websites and blogs, and testing of new company applications.

Java, HTML5, CSS

SEO Specialist, NW Media – 2013 - 2014

During college and university, I managed SEO and bug fixes for a number of websites that were used to advertise local businesses.

HTML5, CSS, JS, GIT, PhotoShop

Web Developer, Click Internet Sales – 2012 - 2013

Alongside college, I administrated and developed the Click Plastics e-commerce web site, doing everything from managing and photographing products and search engine optimisation to development and addition of new website features.

HTML5, CSS, JS, PhotoShop

Freelance Web Developer – 2012 - 2016

Alongside college and university, I searched for clients and subsequently went through a design and development process with them. This concluded in a number of very happy customers.

HTML5, CSS, JS, GIT, PhotoShop

Tech Team, TEDx Salford – 2014 Autumn

I was lucky enough to be part of the back stage tech team. We set up all of the equipment, made sure that all of the speakers presentations were in order and were correctly edited. We also liaised with the sound team to make sure that the event ran flawlessly.

Education

Manchester Metropolitan University – 2013 - 2016

BSc (Hons) Computer Science 2:1

JAVA, C#, JS, NetLogo, MIPS

St Helens College - 2011 - 2013

BETEC Level 3 Computing Diploma (Double DISTINCTION *)