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**Background**

I am a 33-year-old software engineer located in Norwich. My preferred language is **C#** although I also have experience with web technologies such as **Node.js** and **React**.

I take an interest in **F#** and functional programming, I have written an in-depth article introducing C# developers to F# that you can find [here](http://connelhooley.uk/blog/2017/04/10/f-sharp-guide). I also have experience with the Actor model via **Akka.NET**. I wrote an Akka.NET unit test framework that you can find [here](https://github.com/connelhooley/AkkaTestingHelpers). I developed a website for a wedding stationer using Gatsby.JS, Tailwind CSS and **AWS** Amplify which you can find [here](https://www.kghillustrates.co.uk/).

My hobbies include playing football and tennis. I am a Newcastle United fan. I am a father to two children.

**Experience**

**Lead Developer (Jan 2022 – Present)***Aviva - Norwich*

In 2022 I was formally promoted to Lead Developer at Aviva. I have been a lead in multiple teams during this role. I provide support to developers by performing activities such as gatekeeping pull requests and providing technical advice. I provide support to the business by performing activities such as high-level estimates, aiding backlog prioritisation and raising work-items. I work with architects to ensure their designs get implemented correctly. I assist in improving agile practices in the team. For example, I re-introduced planning poker back into the team. I attend regular meetings where we monitor the results of ongoing pen testing.

I have assisted with migrating code bases from .NET Framework to **.NET**. I have also assisted with containerising those applications with **Docker**. The company changed the entire dev ops pipeline for the containerised applications and I ran a presentation to multiple teams explaining the new approach.

**Applications Developer (Apr 2018 – Dec 2021)***Aviva - Norwich*During this role I predominantly worked on a greenfield project. The project used **Akka.NET**, **SignalR** and **React**. My existing knowledge of Akka.NET was very valuable to the team. I quickly provided value by improving the reliablility of the solution’s unit tests.

One year into the role I became a tech lead, which gave me lead developer gatekeeping responsibilities. I also worked the role of **lead developer** on multiple projects. This involved raising stories, assisting with backlog prioritisation, gathering requirements, liaising with the business, assisting other developers in the team, gate-keeping pull requests, managing dev ops pipelines, doing production deployments and running scrum ceremonies when the scrum master was unavailable.

**Applications Developer (Feb 2015 – Mar 2018)***Modality Systems - Norwich*During this role I worked on various solutions built around **Skype For Business**. I helped the dev team build out release pipelines in **VSTS** and embrace TDD & testing automation. This involved a large mentality shift with regards to how QA was approached. We tried to involve our testers as early as possible with each user story. I particularly enjoyed embracing TDD.

I led the design of one project that involved the co-ordinating of over 50 machines. It used **Akka.NET** and **SignalR** to achieve the distributed computing required. The machines could be configured using an **Angular2 TypeScript** web application. During this project we hired a junior dev whom I mentored which was an extremely rewarding experience. I was also stand-in scrum master for this project.

**Applications Developer (Jan 2014 – Jan 2015)***C A Design Services - Great Yarmouth*This was my first development role. I initially performed small support tasks and developed in-house **.NET Framework** solutions. I then moved on to developing enhancements and bug fixes to existing products. These systems were usually 3-tier **ASP.NET Web Form** Applications with **T-SQL** databases. I eventually began working on new projects and was the first person at the company to make a website using an ORM back-end (**Entity Framework**) and the MVC design pattern (**ASP.NET MVC**). My first project was for the large retail firm Sainsbury’s. I also began writing unit tests for the first time during my time at C A Design Services.

**Qualifications
BSc Hons in Software Engineering at the University of East Anglia (2010-2013)**2:2

**BTEC National Diploma in ICT at Great Yarmouth College (2008-2010)**
Triple Distinction

**GCSEs at Cliff Park High School (2002-2006)**Grade A English Language
Grade B English Literature
Grade C Science × 2, Maths, Statistics, ICT, Electronics, Art, PE, RE