



Connel Hooley

Web • C# • **Lead Developer**

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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](#). I also have experience with the Actor model via **Akka.NET**. I wrote an Akka.NET unit test framework that you can find [here](#). I developed a website for a wedding stationer using Gatsby.JS, Tailwind CSS and **AWS** Amplify which you can find [here](#).

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

## Experience

### **Lead Developer** Aviva

*Jan 2022 – Present*

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 our containerised applications and I presentation to multiple teams explaining the new approach.

### **Applications Developer** Aviva

*Apr 2018 – Dec 2021*

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 reliability 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.



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## **Applications Developer** Modality Systems

*Feb 2015 – Mar 2018*

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** C A Design Services

*Jan 2014 – Jan 2015*

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**

*University of East Anglia 2010 – 2013*

2:2

### **BTEC National Diploma in ICT**

*Great Yarmouth College 2008 – 2010*

Triple distinction

### **GCSEs**

*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