



Connel Hooley

Web • C# • **Developer**

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## Background

I am a 29-year-old software engineer based in Norwich. My preferred language is **C#** although I also have experience with **TypeScript**.

I have also started to take an interest in **F#** and functional paradigms. 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**. My love for TDD and the Actor model lead me to write an Akka.NET unit test framework that you can find [here](#).

My hobbies include playing football and table tennis. I am a Newcastle United fan.

## Experience

### **Applications Developer** Aviva

*Apr 2018 – Present*

During this role I have predominantly worked on a green field project aimed at minimising duplication amongst various code bases within the business. Whilst working on the project I became a tech lead and also oversee a small number of offshore developers. The green field project uses **Akka.NET** for its backend and **SignalR** to update a React.JS SPA. I feel my knowledge of Akka.NET has been very valuable to the team.

During my time at Aviva I also developed a simple service virtualisation tool that we use as an alternative to LISA/Dev Test. This was written in **TypeScript** and was built using **Node.JS**.

### **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. I was also been involved in various Microsoft TAP programs which was a great experience.



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## 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** 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