

13 Brymers Avenue, Portland,  
Dorset, DT5 1JS

[neil@neilhighley.com](mailto:neil@neilhighley.com)  
0784 324 7878

# Neil Highley

**.Net professional (C# certified, Azure certified), C#, ASP.Net, .net core, Database, Internet developer, Service Engineer, Industrial Automation, Fullstack Javascript development, Agile Methodologies, Azure DevOps**

---



.NET Framework 4, Web Applications



Microsoft Certified: Azure Fundamentals  
AZ-900

Microsoft Certified C# Web Applications



Microsoft Certified : Azure Data Scientist Associate  
DP-100



Microsoft Certified : Azure Developer Associate  
AZ-204

**Also, Mobile Apps**

React PWA, React-native apps, Swift, Java, UWP, Alexa.  
visit <https://bit.ly/nh-apps>

**Job Title**

## C# Industrial Software engineer

LAM Research, Bristol, Jan 2020- May 2022

Joined multinational Semi-Conductor manufacturing supplier to work on **C# .Net application** for Wafer Preparation equipment. Handled new features and **bug fixing** on large codebase releasing to multiple Global Semiconductor manufacturing companies.

Implemented **development stack** for software with **Azure Devops** and **automated UI testing, Python scripting, Unit Tests** and automated software packaging.

Liaised with Hardware Engineers and Senior Management for requirements gathering and **Integration Testing**. Worked on **SEMI / GEM** automation using Cimetrix and ran testing platforms using TestConnect and Didact with HSMS

Winforms / Azure / Git / Python / C# / SQL / DevOps / TFS / Git / Sharepoint / Hyper V / nuget / XUnit / MS.Test / Visual Studio 2019 / VS Code / Industrial Automation / SEMI standards

## Job Title

### C# Software engineer

SalonGENIUS, Bournemouth, May 2018-Nov 2019

Technical lead on Future Software development implementing **DevExpress** components as a standard set for all tooling to aid in onboarding and reducing maintenance complexity.

Migrated source control systems from internal TFS to external **Azure DevOps**. Implemented **Automated testing** and delivery to key projects. Created translation tool utilising Microsoft Cognitive Framework. Implemented **.Net Standard C#** for several **COM interop** projects to migrate from VB6 to .net. Worked with **Verifone** and **SagePay** and **LayBuy** to implement updated PDQ EPOS systems for bricks and mortar retail units using REST API.

Introduced **Test Driven Design** concepts and mentored the team on writing tests using **Xunit** and **MS.Test** for new, and existing, code bases, as well as ensuring new code is written to facilitate easier testing and maintenance.

Technical lead and **Agile SCRUM** advocate, managed release and development pipeline for internal software projects with Azure Devops

WPF / Azure / C# / SQL / DevOps / TFS / Sharepoint / VB6 / Hyper V / DevExpress / XUnit / MS.Test / Visual Studio 2008-2019 / VS Code

## Job Title

### C# Industrial Software Engineer

ASM Systems, Weymouth. **February 2016 – April 2018**

Joined large, global, multi-scrum, **Agile** team working on service and desktop software with **C#** industrial robotics for an industry leading SMT manufacturer. Followed bug sprints on JIRA and new projects cross team, mentoring existing team members to incorporate full **TDD** development with high hit-rate **coverage** and automated testing.

Software involved parallel process management and hardware interfaces with a **WinForms** 2 User Interface and **XAML** tools for testing with an Automation layer for line control software based on **SOAP WCF**.

Created tooling in XAML and ReactJS to allow Testing team to create scenarios for testing and help debug and test systems.

ASP.NET 4 / 4.5 / C# / WPF / LINQ / jQuery / Javascript / HTML / REST / WCF / XML / XSL / Visual Studio 2013 / 2015 / VSCode / Resharper / dotCover / dotTrace / Codemaid / JIRA / MSSQL 2008 r2 / SQL / IIS8 / Windows Server / TDD / Nunit / dotCover / Hardware / Baldor systems / Industrial Engineering / GEM standards

**Education**

1994-1997

University of Sunderland  
Sunderland, UK

**BSc (Hons) Media Systems 2:1**

Achieved Bachelor of Science with Honors with a major paper on internet communication, VRML, Multimedia, End User experience and psychology of online communication.

**Interests**

Film, Theatre, Computer Industry, Cycling

**Primary skills**

commercial experience > 6  
months

ASP (1-9, .net core), Azure, Azure Devops, Azure ML, C#, Javascript, Typescript, Python, SOLID, TDD, ReSharper, Unit Testing, WCF, XML MSMQ, Angular, React, IIS, MS SQL Server (all), TSQL, MS SQL DBA & Dev., MS Excel VBA(2000,97),MS ACCESS VBA (2000,97), HTML, Facebook, AWS, CSS, Accessibility, Git, Windows Server, Linux

**Secondary skills**

commercial experience

Networking, Machine Learning, Functional Programming

**Certification**

AZ-900 Azure Fundamentals

.Net 4.0 Web Applications in C#

DP-100 Azure Data Scientist Associate

## **Personal Statements**

### **Skillset**

I am a solid Microsoft developer, and have made this a core foundation for my career and development. I have avoided a few pitfalls for utilising Microsoft's extensive support for its developers. This is not to say I am bound by any niche, and have had a second string, which I generally tie to competing but complimentary technologies in the Online ecosystem. Whether it is Unity3D, NodeJS, PHP, or the many nuances of the industry which I have had the pleasure to work in.

I have recently found hackathons and have participated in several in the last few years, where I created electronic hardware using Raspberry Pi, and Arduino, programmed apps on Android, Apple Swift and Windows phone, all of which are on their relative app stores. I have won an Several prizes having come second and first in several areas. I find the concentrated atmosphere of the development and pitch help develop self-reflection and in natural work have introduced a very lean way at looking at work and development.

### **Achievements**

I pride myself in being extremely adaptable to change, which has recently been sated by my involvement in the Hackathon scene in London. A current concentration in industrial development fills me with excitement, as the industry is moving at breakneck speed towards modernisation and automation.

My greatest achievements are often those large projects, which seem impenetrable at first, whether it is realtime disruptive Auction Platforms (TheTin), or controlling industrial machinery and learning about PLC (ASM Systems), or programming a pivotal machine in the production of Semiconductors (LAM). That great feeling of coming through difficult situations into an area of understanding constantly gives me a feeling of deserved achievement.

I have worked with many major brands, including (but not limited by)

Vuelio, Precise, Toni & Guy, Sage, LayBuy, LAM Research, ASM Systems, BBC Worldwide, The European Union, Landover, Adidas, Maestro, Phillip Morris, Agent Provocateur, Toni and Guy, Canon, inBev, Unilever, Lowe Worldwide, Ogilvy, ParExel, PepsiCo, Royal Bank of Scotland, Virgin Atlantic, Shell Global, IRIS, Royal Mail

## **Objective**

Throughout my career I have appreciated that technical decisions often are made by Project Owners outside of the development bullpen and as such have proven myself an excellent communicator in all aspects of delivery.

I have always been a fan of the fluidity of the Development community and as Microsoft move towards the open source style with .Net Core and Azure Devops, I am sure the opportunities to expand my reach within the open source world will grow exponentially

Advancing my knowledge of other programming languages helps me understand different ways of approaching problems, using the Functionality of F#, or examining data sets using R and Python, to exploring the incoming Machine Intelligence platforms.

My future will contain more coding opportunities and hard as well as soft technology. This is what excites me about a career in IT development, the pace of change and the technology is always cutting edge are in tune with my internal drive to continue learning and participating in the drive for web expansion across all aspects of life.

I hope to continue to be at the cutting edge of the connected net experience, as we are living in a very exciting period of growth for interconnected technologies.

## **Hobbies**

Outside of my professional hobbies, and my general tinkering with new tech, I am a keen performer and committee member at my local Theatre, where I also run a weekly community Theatre and Film Group. At the group we introduce people to the dramatic arts, Stage Craft and Short Film production. I run a community cinema showing a wide range of genres, and international short films. I also manage their press and marketing efforts, increasing exposure and ticket sales to the Theatre considerably.

Neil Highley

<http://www.neilhighley.com>