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Neil Highley

Microsoft Developer (C# certified, Azure certified, Cyber Security Certified), ASP.Net, .net core, .net 8, Entity Framework, Database Development, Internet developer, Service Engineer, Industrial Automation, Agile, Azure DevOps, Machine Learning, Artificial Intelligence, Continuous Development



.NET Framework 4, Web Applications

Microsoft Certified C# Web Applications



Microsoft Certified:
Azure Fundamentals AZ-900
Azure Developer Associate AZ-204
Azure Data Scientist DP-100



ISC(2) Certified :
Certified in Cybersecurity

Job Title

C# Software engineer

4-Secure Limited, November 2022

C# / .net Core / Typescript / Javascript / React / Kendo UI / Azure / Azure Devops / Python / Red Hat / Linux / Security Principles / Visual Studio 2023 / TCP / UDP / SNMP / SYSLOG / OPCUA / HTTP / TLS

Joined a growing security company to create a new version of their software platform and build out a Secure Development Environment and a Secure Software Development Lifecycle to enable more growth into established markets.

Created multiple network processing applications with TCP, UDP, MPEG, HTTP and TLS, tooling and test and debug environments. Machine Learning image identification using ML.Net. Migrated legacy Applications from Go, Python and Javascript.

Created customer facing React/.Net web portal linked to Salesforce data store using web api. Managed hybrid-remote team of 5 developers in a very high paced technical environment.

Implemented a CI/CD pipeline on Azure Devops, created a secure environment and implemented Software Policy to guide and increase software productivity.

Job Title

C# Software engineer

LAM Research, Bristol, Jan 2020- November 2022

Joined multinational Semi-Conductor manufacturing supplier to work on **C# .Net application** for Silicon 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 Cimatrix 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 / Serialisation / Networking

Education

1994-1997

University of Sunderland
Sunderland, UK

BSc (Hons) Media Systems 2:1

Achieved Bachelor of Science with Honours with a major paper on internet communication, VRML, Multimedia, End User experience and psychology of online communication for the future

Interests

Film, Theatre, Computer Industry, Cycling

Primary skills

commercial experience
> 6 months

C#, Azure, Azure Devops, Azure ML, ASP (1-9, .net core mvvm), 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

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.

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 on occasion won prizes at the hackathons, 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 previously been sated by my involvement in the Hackathon scene in London. Experiences in industrial development and machine learning 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 real time 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 companies, 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.

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 and delving into the world of statistical analysis and outcome predictions.

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 and artificial intelligence led improvements to all our lives.

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.

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<http://www.neilhighley.com>