Julian Holling

.NET Development | API Development / Integration | SQL Design / Development | ASP.NET | Web API

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# PROFILE

I am a driven and accomplished software engineer, with over 30 years’ experience having worked in the Automotive, Logistics, Manufacturing, Parcel Delivery, Rail and Retail sectors. I have a real working knowledge of different platforms and systems. My experience encompasses the full project lifecycle from requirements gathering through delivery and support including documentation (both pre and post development).

# SKILL SUMMARY

Frontend:

jQuery / jQuery UI | HTML | Bootstrap | CSS | JavaScript (some TypeScript) | AJAX | Asp.NET (MVC / Razor Pages) | introductory React.js | introductory .NET MAUI | introductory Blazor

Backend / Full Stack

Asp.NET Core | EF Core | ODBC (Commands / Readers etc) | SQL Server (Tables, Views, Stored Procedures etc) | Oracle | Postgres (Tables, Views, Stored Procedures) | C# | VB (both .NET and non .NET)

Other:

UML | FTP/SFTP | VSTS | MS DevOps | Unit Testing (NUnit, MSTest, MOQ, Enzyme, Jest) | Wireframing | Prototyping | VB.NET (and VBA / VB) | SOAP | Json | XML | Web Services | LINQ | SCRUM | Kanban | Agile | Web Forms | Win Forms.

# PROFESSIONAL EXPERIENCE

***Nanobyte Software Solutions: Sept 2023 – Date***

This is my own consultancy set up in September 2023 as a vehicle to engage on a B2B relationship with external clients. Clients I have worked with through Nanobyte Software Solutions include (but not exhaustively are MS3 Networks, Menzies Distribution, Central Cooperative).

When I am not in contract with a client, try to spend my time wisely, upskilling in areas where I feel I can add more benefit to clients. I am current in the process of learning ReactJS through the FreeCodeCamp React course (https://youtu.be/x4rFhThSX04) with a view to converting [www.julianholling.info](http://www.julianholling.info) to React. Am also looking at cross training to some holistic type of work. I have completed a Sound Therapy course and also developed a WordPress website to support this.

***Central Cooperative: Aug 2025 – Sept 2025***

C# .NET Software Engineer

I was engaged as a contract software engineer to aid Go Live on a new membership program. Several pieces of work needed completion as the in-house developer was leaving and didn’t have time to complete everything.

The first to rework a mini statement, a document like a till receipt, which contained the customers dividend figures based on their membership spend. This involved pulling data via an API from a third-party application. Further, I was requested to develop a service to pull data from one legacy system, combine it with data from a new CSV file and push that data to an external API to provide a list of discounted products. Thirdly, I was asked to pull data, again from a legacy system to take requests for membership card replacements (when they had been lost or damaged). I was unable to complete this task as I was pulled in to collaborate on the creation of the self-service password reset functionality in the Sign-in / Sign-up flow of the website. This was successfully completed.

**Achievements:**

* Completed adding new fields to a till Receipt.
* Pulled Campaign data from an internal legacy system and push to an externally driven web app
* Created the self-service password reset flow in B2C as part of the existing sign in – sign up flow.

***Menzies Distribution Ltd: Apr 2024 – Feb 2025***

C# .NET Software Engineer.

I was engaged as a consultant to support and enhance the Clarity Core application while a new Cloud based application was developed by another team. As part of the process, I was encouraged to write unit tests for new functionality. A further task was to develop an API wrapper to consume some existing API functionality from another Web API. One interesting project I was involved in was the implement of an asynchronous batch uploading library for efficient event data uploads via EF Core. As a base I used Mikael Eliassons EntityFramework.Utilities library in Github, took only the bulk insert functionality and enhanced it to run asynchronously.

**Achievements**

* Modification to the Gazetteer upload functionality (parcel routing) – MVC, .Net 4.6 C#, Excel import with unit tests (MSTest / MOQ)
* Powershell scripts for cleaning up log files on an Azure server
* Implemented an async data upload library based on the non async library developed by Mikael Eliasson - (<https://github.com/MikaelEliasson/EntityFramework.Utilities>).
* Developed an API wrapper to replace some code integrated into a Portal application to call a separate API. This utilised .net 8.0 with custom middleware and filters.

***MS3 Networks: Jan 2022 – Jul 2023***

C# .NET Senior Software Developer

I was engaged as a consultant to take a prototype and make the functionality work such that a limited set of the data access functionality was available to third party customers so they could raise and follow the status of their own orders. As part of the development of this, I split out the current prototype into an API and developed both this and a web portal for internal staff to raise internal orders and support the third-party clients.

**Achievements:**

* An ASP.NET Web API using Restful web services written in C#, .net 5.0 (Core) with EF Core connected to both an Azure SQL Server hosted database and a Postgres GIS. Protected via JW Tokens.
* An Asp.Net Web Application using C# MVC Razor pages and views. Data access is provided via the API.
* Provided mechanisms to transfer data from Postgres GIS into SQL.
* Integrated Oneserve and ArcGIS API endpoint calls into the internal API

***VentureAxis : Oct 2020 – Mar 2021***

Senior C# .NET Software Developer

During the COVID-19 pandemic, I took on a permanent role and as such I was employed to assist in the creation of some new Web Api’s. This was for a collaboration project with Hawk-Eye innovations to support the capture, transformation and presentation of event tracking data for sporting events. The project was initially to be used for the 2021 EUFA Cup but would be enhanced later for other sporting events. As part of this process, I was tasked with researching the best method of caching and queuing large amounts of data.

**Achievements:**

* Created a RESTful WebApi written using Asp.Net Core and EF Core using C#, code first with Fluent API, migrations and SQL Server hosted in Azure.
* Added endpoints for the CRUDing of event metadata such as Competition, Sport, Federation, Team, Player data etc for the upcoming (2021) EUFA cup event.
* Created a WebApi to transform Player Tracking Data captured by Hawk-Eye’s multiple camera system, pushed onto Pulsar and at intervals stored in SQL Server for the purposes of providing Real-time, Delayed and Post Match analytical data.
* Created a number of endpoints to maintain Player Details (filterable by start/end time, segment/match period), match lists (and match summary details) all filterable

***PharmAssist Solutions: July 2020 – Oct 2020***

Senior C# .NET Software Developer

During the COVID-19 pandemic I was employed on a permanent basis to support and maintain current asp, asp.net web applications and web sites (CRM, Orders, Returns) written in vb.net. Further, I was tasked with creating new web-based reporting applications using C#, T-SQL and Entity Framework. Another requirement I was asked to develop, was to add new functionality to existing web sites using VB.NET, ADO.NET, T-SQL (stored procedures, database design, triggers)

**Achievements:**

* Created an auto updating caching system that refreshes based on a data change in the database. Uses SqlDependency as the driver for the automatic updates to the cache. This has been added to a new customer facing website written in C#, asp.net core using razor pages.
* Partially implemented a flexible graphing application using jQuery, HTML and Chart.js. The data for the graphs is driven by stored procedures and dynamic SQL. Code behind is written in vb.net using ADO.NET.
* Integrated an HTML editor into the back-office systems to maintain documents for a new customer facing web site. The documents are for carousels, news items etc and are stored as HTML in a SQL Server database.

***Shark Ninja: May 2019 – Feb 2020***

C# Software Developer

I was engaged as a contract software engineer to develop a restful web service to create dropship sales orders into a staging SQL Server database and ultimately into their Sales Order Processing system. A second project, I was required to develop an application (windows service running on a schedule) to retrieve data from the Stripe payment engine into a SQL Server database stored in Azure for the purposes of reporting. An extension to that project was to also integrate PayPal into the application to retrieve PayPal transactions into the SQL Server database to include in the reporting process. I was also tasked with creating a WPF application to maintain Channel (Brand) information including a flexible Metadata field. This field contains Xml data. Finally, I was asked to create several applications including an AzureKeyVault accessor, A DLL logging application for the purposes of managing different versions of referenced DLLs, a web site load test application.

**Achievements:**

* Created several Windows Services to handle the import of data from the Stripe and PayPal APIs for the purposes of reporting. This can be run in one of two modes based on sections in the config file being set mutually exclusively.
* Created a basic WPF application in C#, EF 6.0 and SQL Server to maintain the Channel information.
* Created several DLLs to be referenced by other applications to provide a mechanism to access keys and secrets from the Azure Key Vault. Another DLL to write DLL information into a database including the version of the DLL.
* Created a multithreaded application to simulate the load created by multiple concurrent users of the SharkNinja. web site for ordering products.
* Created an MVC .net core web application for maintaining SKU and custom SKU attributes. Written as a 3-tier application using ADO.NET as the method of interacting with the database via the DataAccessLayer.

# SUMMARY OF PREVIOUS ROLES

* **GHD Hair: Feb 2019 – May 2019** – C#, ASP.NET Core, T-SQL, Bootstrap, JavaScript, RabbitMQ
* **DFS Aug 2018 – Jan 2019** – C#, jQuery/jQueryUI, Google Maps Geocoding API, ASP.NET Webforms, JavaScript, Autofac
* **Alliance Automotive: Apr 2018 – Jun 2018** – C#, Rebex, OpenAPI 2.0, Json, XML
* **RTS Solutions Ltd: Jan 2018 – Mar 2018** – C#, SQL Server, Entity Framework, ASP.NET MVC, Microsoft Reporting Tools
* **Incommunities: May 2016 – Dec 2017** – C# / VB.NET, SQL Server, Entity Framework, ASP.NET MVC, ASP.NET WebAPI 2.0
* **Next Retail Ltd: Feb 2016** **– Mar 2016** – C#, JavaScript
* **Capita Childrens Services: Sep 2015 – Jan 2016** - C#, Dapper, Azure (DocumentDB, Blob Storage), Asp,Net MVC, Web Services
* **Gamestec: Jul 2013 – Sep 2015** – C#, Entity Framework, T-SQL, Asp.Net MVC
* **EMIS: Oct 2011 – Jul 2013** – C#, SQL Server, Stored Procedures, LINQ
* **Phoenix Software: Jan 2011 – Oct 2011** – C#, LINQ, SQL Server 2008, Entity Framework, AGILE, MVC 3.0, XML Importer
* **EON: Dec 2007 – Nov 2010** – C#, Sql Server 2005/2008, NUnit, DevExpress, Firebird, LINQ, Design Patterns (Repository, Singleton, factory), WCF, SOAP Web Services, UML
* **BiBC Ltd: Aug 2006 – Dec 2007** - C#, SQL Server 2000, Xml, SCORM, SOAP Web Services
* **Prospec Ltd: Jan 2006 – Aug 2006** - Sql Server 2000, vb.net, SQL Stored Procedures, Crystal Reports. (Made redundant from this role)
* **Multiserv (SR) Ltd: Jan 2003 – Sep 2004** - AS/400, iSeries, RPG, CLP, J.D.Edwards World Software, Create!Form, Ms Excel, Showcase Strategy
* **Vopak BV, Rotterdam: Jan 2002 – Dec 2002** - J.D.Edwards OneWorld, C functions
* **Hallmark Cards: Feb 2001 – Dec 2001** - AS/400, RPG, CLP, J.D.Edwards (World Software)
* **UK Coal: Apr 1998 - Feb 2001** - AS/400, RPG, CLP, J.D.Edwards (World Software), Lotus 123, Showcase Strategy.
* **Josiah Wedgwood and Sons: Apr 1995 – Apr 1998** – AS/400, RPG, CLP, VB4.0
* **Tinsley Wire (Sheffield) Ltd: Oct 1993 - Apr 1995** – AS/400, RPG, CLP

***A supplemental document is available containing detailed information on the above summarised roles***

# EDUCATION

**Sheffield Hallam University -** M.Sc. in Multimedia and the Internet

**Sheffield Hallam University -** HND in Information Technology

**Rotherham College of Arts & Technology -** OND in Electronic Engineering and Computer Technology

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