

# Aaron H. Stewart

## Personal Details

<b>Date of birth</b>	26 <sup>th</sup> March 1971	<b>Nationality</b>	British, current passport
<b>Marital status</b>	Married	<b>Driving Licence</b>	Full, clean
<b>WEB</b>	<a href="http://www.ronsplace.eu">http://www.ronsplace.eu</a>		

## Technical Knowledge

<b>Programming Languages</b>	C#, VB.NET, T-SQL, HTML, CSS, Java Script, VB, VBA, C/C++ and STL, MFC, Java.
<b>Development Tools</b>	Visual Studio (including SQL Server Data Tools), Blend, Expression Studio, JetBrains (ReSharper, dotTrace, dotMemory), SQL Server Management Studio, TFS, MS Office, Reporting Services Designer, Crystal Reports.
<b>Development Experience</b>	WEB applications (ASP.NET, MVC, Razor), Desktop applications (WPF, MVVM, Window Forms) , Windows Services, WCF, WEB Services, SQL Server, Entity Framework, Database applications, TCP/IP sockets (client/server), Office automation, Windows API, multi-threading, printing, graphics, generics, design patterns, hardware control (RS-232/RS-422).
<b>Server</b>	Microsoft Azure (SQL server, IIS, Service Bus, Storage Tables), Windows Server, IIS, SQL Server (Integration Services, Analysis Services, Reporting Services), Active Directory (and Exchange), Message Queue, Oracle.
<b>Applications</b>	Office (including Access, Project and Visio). Graphics, video and audio editing software.

## Work experience

### March 2013 – Present

### **.NET Specialist - Ron's Place Apps**

<b>Skills</b>	C#, WPF, MVVM, Windows Forms, ASP.NET, MVC, Razor, Entity Framework, T-SQL, HTML, CSS.
<b>Technology</b>	.NET 4.5, Visual Studio 2013, Blend 2013, Expression Studio 4, JetBrains (ReSharper, dotTrace, dotMemory), SQL Server Management Studio.
<b>Overview</b>	In 2013 I decided to start my own consulting and software company called Ron's Place Apps. My WEB development and application development skills can be clearly seen at the company web site ( <a href="http://www.ronsplace.eu">http://www.ronsplace.eu</a> ).
<b>Achievements</b>	<ul style="list-style-type: none"><li>• Full e-commerce website (integrated with PayPal), written in ASP.NET MVC (Razor).</li><li>• Commercial quality applications written in C#: Ron's Editor and Ron's Renamer.</li><li>• Customers including IBM, Boeing and Visa.</li></ul>

### February 2016 – Present

### **Senior WEB Developer – ireckon!**

<b>Skills</b>	C#, ASP.NET, MVC, WEB API, REST, Razor, Entity Framework, T-SQL, HTML, CSS.
<b>Technology</b>	.NET 4.5, Visual Studio 2015, Microsoft Azure (SQL server, IIS, Service Bus, Storage Tables), SQL Server Management Studio, SQL Server 2012, JetBrains (ReSharper, dotTrace, dotMemory).
<b>Overview</b>	Hired to work on WEB APIs for an Azure hosted backend for hospitality services, my initial assignment was to design the protocols for the next version of the API. Next I was put in charge of the re-write of one of the company's core products, including the design and architecture. Finally I was made interim team lead/development manager, until a replacement could be found.
<b>Achievements</b>	<ul style="list-style-type: none"><li>• Designed and wrote a backend REST API for frontend mobile and web apps, using MVC and Entity Framework (SQL), running on Azure.</li><li>• Designed, architected, and lead a team to build a global dashboard application from disparate global data sources, using MVC, Entity Framework (SQL), Service Bus and Storage Tables, running on Azure.</li></ul>

### March 2009 – January 2016

### **B.I. Specialist/Consultant - Anthos Amsterdam**

<b>Skills</b>	C#, Windows Forms, Windows Services, Entity Framework, T-SQL, PL/SQL, Progress SQL, finance reporting.
<b>Technology</b>	.NET 3.5, Visual Studio 2013, JetBrains (ReSharper, dotTrace, dotMemory), SQL Server Management Studio, Crystal Reports XI, Oracle 11, SQL Server 2000-2012, Active Directory (Exchange Server). MISYS FusionInvest (Sophis Value).
<b>Finance</b>	Assets classes (equity, bonds, property, hedge funds), internal/external funds, performance calculations (money weighted, time weighted), currency forwards and hedging, bond calculations.
<b>Overview</b>	Initially hired as a reporting specialist, my additional skills were quickly put to use designing and building a financial data warehouse. My primary client, Asset Management, also utilised my C#, Forms and SQL skills to solve a variety of operational requirements as they arose. In <b>March 2013</b> I took the opportunity to start my own company, Ron's Place Apps, and work for Anthos as an external consultant.
<b>Achievements</b>	<ul style="list-style-type: none"> <li>• Designed and created a Windows Forms desktop application in C#, to present a single user interface for all report execution, data load control and extended data input.</li> <li>• Designed and created a financial data reporting warehouse, including writing the data load in C#. Data was sourced from Sophis Value (an Oracle Database), REMS (a Progress database), Active Directory and others.</li> <li>• Various tools written in C# to automate report production and testing, data mining and management.</li> <li>• Designed and implemented a directory security auditing and management tool using C# and SQL Server. A client service ran on each server, uploading audit data in XML to a central windows service via a TCP connection.</li> <li>• Overhaul and organisation of the report architecture. Created and maintained financial reports, intended internally for the asset management team and externally for the clients. The reports were written in T-SQL, Crystal Reports and Reporting Services.</li> <li>• Continual study of investment finance to gain the knowledge required to complete my job.</li> </ul>

**October 2007 – March 2009****Business Tools Analyst – Shell GITI/AT&T**

<b>Skills</b>	VB.NET, ASP.NET, Windows Services, J(ava) Script, T-SQL, HTML, DHTML, MySQL .NET data connector, assistance with infrastructure, user support.
<b>Technology</b>	.NET 2.0, Visual Studio 2005/2008, SQL Server 2000/2005 (Integration Services, Analysis Services, Reporting Services), IIS 6, MySQL, OLE DB, ASP.NET, Active Directory (Exchange Server), Infragistics NetAdvantage 2007, Windows services.
<b>Overview</b>	Primarily contracted to work on a series of internal reporting applications that ran on Shell's global Intranet (effectively an Extranet). I quickly took over another failing project, and after successful completion of that, moved back to my original assignment, and then others as needed.
<b>Achievements</b>	<ul style="list-style-type: none"> <li>• Analysis of requirements and source data, gathering that data, compiling it into a reportable format, and delivering reports in a secure a targeted way.</li> <li>• Designed and implemented an intranet application to track 3<sup>rd</sup> party access to resources. Overnight processes collected data about hardware, like routers, firewalls, and users from Active directory, and compiled it into a reportable format in SQL server. Originally used for monitoring, the project was re-written and many features added including editing, updating Active Directory, and collecting user feedback.</li> <li>• Implemented a distributed server management architecture. A multi-threaded windows service ran on each remote server, which checked a central management server periodically for scripts and schedules. These were downloaded, executed, and the results then re-uploaded. All was controlled from an SQL Server backed ASP.NET Intranet site.</li> </ul>

**January 1999 – October 2007****I.T. Development Analyst – Browne Jacobson Solicitors**

<b>Skills</b>	C#, Windows Forms, ASP, C/C++ (Windows API), VB 6, J(ava) Script, VBA, T-SQL, HTML, DHTML, Windows services, remoting, total/team solution development, assistance with infrastructure,
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	user support.
<b>Technology</b>	.NET 1.0, Visual Studio 6-2005, VB 6, SQL Server 7-2005 (Integration Services, Analysis Services, Reporting Services), IIS 5/6, OLE DB, ASP/ASP.NET, Active Directory (Exchange Server), Crystal Reports, Reporting Services, SharePoint 2007, Workflow, Windows Scripting.
<b>Overview</b>	Initially hired as a developer to implement the firms case management system, over the years my development skills were utilised in almost every aspect of the IT department on a wide variety of projects.
<b>Achievements</b>	<ul style="list-style-type: none"> <li>• Consulting on, designing and writing numerous projects to satisfy various business and IT needs.</li> <li>• Designed and wrote the case management reporting Warehouse. A multi-threaded Windows Service, parsing XML export files, and synchronizing with a SQL 2005 server. Using remoting the service was controlled from a Windows desktop application which could start and stop the service and change the number of threads running. Data was dynamically compiled into summary tables and used to populate an Analysis Services cube, and reported on using Reporting Services.</li> <li>• Played a pivotal role in design and implementation of VisualFiles case management system, including entity model, integration with contact management (InterAction) in C# and .NET, external components in VisualBasic, and design of reporting warehouse.</li> <li>• Designed and wrote the company's Intranet in HTML, ASP and SQL. The site contained a project database, support database, staff phone list, notice board all populated from an SQL database. Full security, using NT authentication, the entire site was configurable from a WEB browser.</li> <li>• Contribution to the administration of the network and user support.</li> </ul>

**July 1992 – January 1999****Various IT**

<b>Skills</b>	C/C++ (MFC, Windows API), WEB development (HTML, Java Script, Java applets, ActiveX), protocol design and implementation, network architecture, hardware control, object oriented software design and engineering, specification, testing, project responsibility and management, team leader, customer liaison and consultancy.
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**Training**

<b>Regina Coeli, Vught</b>	Dutch language training course
<b>Ashton Court</b>	AgilePoint (Ascentn workflow), InfoPath and SharePoint 2007
<b>iinex Ltd</b>	Management training
<b>The Industrial Society</b>	Customer Care
<b>Sphinx CST</b>	Microsoft Windows NT 4.0 Workstation and Server Fastrack
<b>QA</b>	Microsoft Windows Programming in C

**Education**

<b>Bachelor's Degree</b>	Canadian Equivalent (4 years)	World Education Service, Canada	2016
<b>General English</b>	C1 (very good user)	IELTS	2016
<b>Bachelor's Degree</b>	BEng Electronic Engineering	The University of Hull	1989-1992
<b>'A' Levels</b>	Design & technology, Physics, Mathematics	King Edwards School	1983-1989
<b>'O' Levels</b>	11 'O' Levels		

**Personal Profile**

<b>Hobbies and Interests</b>	My family, my company; fitness, learning, programming, reading, movies.	
<b>Key Assets</b>	<ul style="list-style-type: none"> <li>• High professional standards</li> <li>• Perform well under pressure</li> <li>• Presentable and punctual</li> <li>• Team worker</li> </ul>	<ul style="list-style-type: none"> <li>• Enthusiastic</li> <li>• Require challenges</li> <li>• Decision-maker</li> <li>• Thrive on learning</li> </ul>

- Excellent communicator

## References

*Available on request.*

## Skills Matrix

### Programming

<b>C#</b>	Expert	Used professionally since 2001. Kept up to date.
<b>VB.NET</b>	Advanced	Used mainly for ASP.NET applications.
<b>T-SQL</b>	Advanced	Used extensively in almost every employ from CRUD to financial data warehousing. Kept up to date.
<b>ADO.NET</b>	Advanced	Used extensively in almost every employ in a variety of levels of operation.
<b>XAML</b>	Good	Used in the creation of commercial applications.
<b>ASP.NET</b>	Advanced	Used in the creation of both intranet and internet applications.
<b>HTML</b>	Advanced	Used extensively in almost every employ. Kept up to date.
<b>CSS</b>	Advanced	Used extensively in almost every employ. Kept up to date.
<b>Java Script</b>	Good	Used mainly for web site enhancement.
<b>XML, XSL, XSD, Xpath</b>	Good	Used as required in application development.
<b>VB 6.0</b>	Good	Used in many line of business applications.
<b>VBA</b>	Good	Excel and Access applications. Business automation.
<b>ASP (VB Script, J Script)</b>	Advanced	Used in many line of business intranets.
<b>C/C++</b>	Good	Was advance, but out of date.

### Experience

<b>Windows Presentation Foundation (WPF) MVVM</b>	Advanced	Used to produce commercial applications.
<b>Windows Forms</b>	Advanced	Thorough understanding of concepts achieved through writing MVVM framework.
<b>Windows Services</b>	Advanced	Windows forms thoroughly used, in both standalone applications and as part of a larger solution. System tray and command line applications also written.
<b>WEB Services / WEB API</b>	Advanced	Fully installable windows Services written, mutli-threaded and controlled through remoting/WCF interfaces.
<b>WEB / Intranet Sites</b>	Advanced	Designed and implemented WEB based protocols for both backend and front end services. Used SOAP, .NET WEB Services, and REST.
<b>JQuery</b>	Good	Used extensively to create a variety of database backed sites using ASP.NET forms to MVC with Razor.
<b>Bootstrap (responsive design)</b>	Good	Used for web site enhancement as required.
<b>ADO.NET</b>	Good	Used for web site enhancement as required.
<b>LINQ</b>	Advanced	Used at every level throughout many projects. Technology used: native SQL, OleDb and ODBC.
<b>Entity Framework</b>	Advanced	Used in daily development activities.
<b>Data warehousing</b>	Advanced	Used to back commercial web sites, and desktop applications.
<b>Reporting Services / Designer</b>	Advanced	Several warehouse solutions created using SQL databases optimized for reporting purposes. Extensive use of stored procedure and functions for reporting.
<b>Crystal Reports</b>	Advanced	Used extensively.
<b>Coding Quality</b>	Advanced	Used extensively, both in desktop applications and intranet solutions.
<b>Design Patterns</b>	Advanced	Coding standards and best practices employed whenever possible to deliver quality product.
<b>Unit Testing</b>	Good	Good understanding of the concepts achieved.
<b>Networking</b>	Good	Used as required.
	Advanced	TCP/IP and UDP used in synchronous and asynchronous mode. Examples include a HTTP server, an SMTP client, and a finder for network services.

<b>Remoting / Windows Communication Foundation (WCF)</b>	Good	Used to control Windows Services, share common resources and as application back ends.
<b>JSON</b>	Advanced	Wrote a JSON serializer/deserializer. Used for all object cross boundary needs.
<b>XML</b>	Good	Used for storing settings, serialization, data provision, data extraction, etc. All levels used from reader to document to XPath queries.
<b>Graphics</b>	Good	Advanced GDI+ and image manipulation. Examples include WEB image rendering, owner drawn controls.
<b>Threading</b>	Advanced	Used extensively, both in a server/service capacity and in a forms capacity to perform background tasks or stop the GUI from freezing.
<b>Automation (COM / Office)</b>	Good	Automation of Word, Excel, Outlook and third party products undertaken, both early bound and late bound.
<b>Windows Integration (API)</b>	Advanced	Windows API harnessed to manipulate the Shell, install services and provided DDE functionality amongst other things.
<b>Standard Template Library</b>	Good	Knowledge now old.

## Tools and Servers

<b>Visual Studio</b>	Advanced	Used extensively in every employ. Kept up to date.
<b>SQL Server Data Tools for Visual Studio</b>	Advanced	Used extensively since available.
<b>SQL Server Management Studio</b>	Advanced	Used extensively in every employ.
<b>SQL Server Profiler</b>	Good	Used for optimisation, debugging (especially Entity Framework), and reverse engineering.
<b>Microsoft Azure</b>	Good	Used SQL server, IIS, Service Bus and Storage Tables in commercial solutions.
<b>JetBrains Resharper</b>	Good	Used for daily coding activities.
<b>JetBrains dotTrace / dotMemory</b>	Good	Used to debug and optimise application performance.
<b>Team Foundation Server</b>	Good	Used in daily activities, and source control.
<b>SQL Server</b>	Advanced	Used extensively in every employ, as the backbone of various applications including WEB, desktop, Windows Services, WEB Services and data warehousing and reporting. Databases solutions designed and maintained from VisualStudio including features ranging from CRUD operations to advanced financial reporting stored procedures.
<b>SQL Server Extras</b>	Advanced	Server Agent, Integration Services, Analysis Services, and Reporting Services all used in a production environment.
<b>Microsoft Access</b>	Advanced	Applications written using both local data storage and SQL server as a data store.
<b>Microsoft Office</b>	Advanced	Automated from the inside and outside, using VB, VBA and C#.
<b>MySQL</b>	Adequate	Used as a .NET data source.

## Vocational

<b>Investment Finance</b>	Good	Production of financial fact sheets from trade records to final reports, including all calculations, thoroughly understood. Including equities, bonds, property and hedge funds in a complex investment hierarchy.
<b>Machine Control</b>	Good	The problems surrounding controlling machinery at binary level well understood, including asynchronous messaging and state management.