**Paul Massen**

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**Passport: British and Republic of Ireland(EU).**

**Availability:** **Immediate**

***Qualifications:***

1981-1983 B.T.E.C National Diploma In Marine Telecommunications.

1994-1996 B.T.E.C. Higher National Certificate in Software Engineering.

***Professional Training:***

December 1996 Completed Q.A. MS SQL Server System Administration course

January 1997 Completed Q.A Visual Basic 4 Client Server Programming course

June 2003 Completed Q.A MS course Programming with the .NET framework(VB.Net)

***Current Skills:***

#### Languages

**.Net [15yrs] Framework 1.1,2,3,3.5,4,4.5,4,6,Core 2.2/3.1:**Design, Development, Implementation using C# ,VB.Net, ASP.NET, AJAX, ADO.Net,WCF, Web Services,.Net Remoting, XML, XSLT and XSD.

**Biztalk Server 2004,2006 R2,2009,2010,2013,2013 R2,2016:** Schema’s, Maps, Orchestrations, Xpath ,Custom Pipelines & Custom Adapters, Web Services,SOAP,WCF,REST,SAP, SAP .Net Connecter, IDoc’s, EDI, XML,XPath, XSD & XSLT.

**Azure**: Azure Logic Apps, Functions,Webapps, Service Fabric, Api’s,CosmosDb,KeyVault, Service Bus Topics/Subscriptions and BlobStorage.

**SQL Server v6.5,v7.0,2000 [12yrs+], 2005[7yrs],2008R2[3 Year],2012,2016:** Database design and Administration, Table design, Transact SQL, Stored Procedures, Views, Cursors & Triggers. SSIS, DTS. Performance Monitoring, Optimization and troubleshooting.

# Oracle v.7,v.8,9i [4yrs]:

PL SQL, ODP..NET,Oracle Objects for OLE(OO4O), Stored Procedures, Cursors and Functions.

**IBM DB2 UDB [1yr]:**

Database and Table design, SQL.

# Assignments:

# The Guinness Partnership. Remote. August 2021 - Present

Position: **.Net/Azure/Biztalk Consultant**

Technical Stack: **C#,** .**Net Core 3.1, BizTalk Server 2016, Azure B2C, Postman,Swagger,Specflow,NUnit,NuGet,BizTalk Deployment Framework,GIT, BizTalk CAT Instrumentation Framework, BRE, XML,JSON, XPath, XSLT, XSD, SQL Server 2019 , Transact SQL, Xquery, Stored Procedures,SDLC,UML.**

Azure/Biztalk/Sql Server BAU and support activities.

# Leeds City Council. Remote. Jan 2021-July 2021

Position: **.Net/Azure Consultant**

Technical Stack: **C#,** .**Net Core 3.1,Azure,Azure Functions, Azure Logic Apps, Azure Servicebus Azure EventGrid , REST,MVC, WebApi,Identity Server, LINQ,TDD, Postman,Swagger,Specflow,NUnit,NuGet,,GIT, Azure DevOps, XML,JSON, XPath, XSLT, XSD, SQL Server 2016 ,Dapper ORM, Transact SQL, Xquery, Stored Procedures,SDLC,UML.**

Integrating a new internal housing system with LCC external contractors. Developed several microservices to process Repairs,Jobs and appointments to/from external contractors.

Utilised Eventgrid Topics, ServiceBus, Azure durable functions and Rest Api’s to process messages.

Adhered to SOLID software principles.

# First Databank. Exeter. May 2019- April 2020

Position: **.Net/Azure Consultant**

Technical Stack: **C#,Async,**.**Net Core 2.2/3.1,ASP.Net/MVC,Javascript,JQuery,HTML 5,CSS Bootstrap,Azure,Azure App Config,Azure KeyVault,WPF, XAML,Telerik WPF Controls,Microservices, WebApi, REST,OAuth,OIDC,JWT,Azure ADAL,MSAL,Kubernetes,Docker,Azure Kubernetes Services,CI/CD,Azure DevOps, SOLID Principles,DDD,BDD,TDD, NUnit,NuGet, XML,JSON, XPath,CQRS, SQL Server 2016,Dapper ORM, Transact SQL,Stored Procedures.**

First Databank are a leading provider of drug database, medicines optimisation and clinical decision support for medicines management in UK healthcare organisations.

**Responsibilities**:

* Design and develop a content management tool, allowing Clinical Pharmacists to author customisable attributes on drugs data, for a third-party pharmaceutical wholesale distributor.
* Design and Develop framework for the migration of a Silverlight application to Wpf, and its Wcf service layer to Web Api secured using Azure Ad.

**Key Deliverables**:

* Developed an ASP.Net MVC HTML 5 compliant responsive Web App using .Net Core 3.1. Utilised Bootstrap CSS and Font Awesome providing users with a responsive Ui. A microservice architecture was employed hosted in AKS, with ADAL secured WebApi endpoints, a CQRS model to process data to the backend Sql Server Database.
* Developed a framework that would access Azure App Configuration, to dynamically load Wpf XAML pages migrated from a Silverlight application. A Wcf service layer was refactored to Web Api, where requests were authorised using JWT. Azure AD/ADAL/MSAL was used as the OAuth/OIDC provider.
* Apps were deployed to Azure Kubernetes Services via Azure DevOps.

# Your Housing Group. Warrington. July 2018-April 2019

Position: **.Net/Azure/Biztalk Consultant**

Technical Stack: **C#,** .**Net Core,BizTalk Server 2016,Azure,Azure Functions,Azure Logic Apps, Azure Servicebus,REST,MVC, WebApi,Identity Server, LINQ,TDD, NUnit,NuGet,BizTalk Deployment Framework,GIT, Octopus Deploy,BizTalk CAT Instrumentation Framework, BRE, XML,JSON, XPath, XSLT, XSD, SQL Server 2016 ,Dapper ORM, Transact SQL, Xquery, Stored Procedures,SDLC,UML.**

Your Housing Group a housing association have been implementing a digital transformation programme, allowing tenants to manage their tenancies via a portal <http://yourhomehub.co.uk>**.**

The system integrates with Dynamics CRM 365, Biztalk, Azure and a Custom Housing Management system.

Working within an Agile environment using Kanban process to provide continuous delivery.

**Responsibilities**:

* Implement enhancements to existing interfaces.
* Design and develop several Azure functions to process Fire risk assessments and user access requests used by Identity Server.
* Resolve issues as and when they occurred on the production system.

Developed several new interfaces in Biztalk to process Tenancy agreements and Payments.

**Key Deliverables**:

* Added enhancements to current interfaces. This would involve amending and/or creating maps, orchestrations and custom pipelines.
* Developed Azure Function to process Identity claims between the Portal and an Identity Server service.
* Developed Azure Function to process Fire Risk assessments between the CRM and an Azure Rest API.

# Pandora. Copenhagen.Denmark. April 2018 – July 2018

Position: **.Net/Azure/Biztalk Consultant/Architect**

Technical Stack: **C#,** **BizTalk Server 2013 R2,Azure,MS AX 2012, REST,MVC,CosmosDb, WebApi,ESB Exception Management, LINQ,TDD, NUnit,NuGet,BizTalk Deployment Framework,TFS, BizTalk CAT Instrumentation Framework, BRE, BAM, XML,JSON, XPath, XSLT, XSD, XML Spy,SSIS,SQL Server 2016 R2,ADO.Net, ODP.Net, Transact SQL, Xquery, Stored Procedures,SDLC,UML.**

Pandora are a global retailer and manufacturer of Jewellery. Utilised several interfaces between Dynamics AX 2012 ERP system and third party systems.

**Responsibilities**:

* I was assigned to provide Architectural technical guidance and design changes, to improve performance between Pandora’s AX2012 and a factory planning system.

**Key Deliverables**:

* Designed and developed Custom pipeline components that consumed large files from AX2012 and sent messages to a third party factory planning Azure Rest Api.
* Developed routing and mapping components to resolve and publish Json messages to a third party consumer.

# University of Exeter: Exeter. October 2017 – March 2018

Position: **.Net /Azure Consultant/Architect**

Technical Stack: **ASP.Net Core, MVC,C#, JQuery, Azure, Service Fabric, Microservices, WebApi, WebApps, SOLID,DI, Entity Framework Core, Sql Server 2016,Azure Cosmos Db, Azure ServiceBus(Topic/Subscriptions),Azure Blob Storage, Azure KeyVault, OIDC,OAuth,IdentityServer 4,REST, JSON, Swagger,TDD, BDD, Specflow, GIT,CI/CD.**

Working on all layers of a Website that collects data for the study of Dementia:

<https://hk.protect-study.org>

I implemented an SSO solution using Identity Server 4 in conjunction ASP.Net Core Identity. The system was designed around CQRS where user details were partitioned from survey results stored in an anonymised database. In order to correlate users, Azure KeyVault was used to pair User Id’s between user database’s and the results database. The KeyVault service was designed as a microservice hosted in Service Fabric exposed as a Restful WebApi, access to this was controlled via Identity Server 4. The KeyVault service also published and subscribed to Azure Service Bus Topics so that it could process Audit messages which were stored in CosmosDb.

# University of the West of England: Bristol. September 2016 – September 2017

Position: **.Net /Azure/BizTalk/ Architect**

Technical Stack: **Azure, BizTalk Server 2016, C#, WebApi, MVC, Entity Framework, LINQ, SQL Server 2016, Azure Logic Apps, Azure Functions,Azure App Services, Azure DocumentDb (NoSql), Azure ServiceBus, REST, WebApi,Swagger,TDD, BDD, Specflow,VSTS,CI,XML, JSON, XPath, XSLT, XSD,ADO.Net, Transact SQL, Stored Procedures,SSIS, BRE, BAM, ESB Exception Management, BizTalk CAT Instrumentation, SDLC,UML.**

**Capita: Bury St Edmunds. February 2016 – July 2016**

Position: **C# / BizTalk Lead Developer**

Technical Stack: **BizTalk Server 2013 R2,ESB 2.2,MS Dynamics CRM 2016, REST,MVC, WebApi,ESB Exception Management, C#, LINQ,TDD, NUnit,NuGet,BizTalk Deployment Framework,TFS, BizTalk CAT Instrumentation Framework, BRE,BRI, BAM, XML, XPath, XSLT, XSD, XML Spy,SSIS,SQL Server 2012 R2,ADO.Net, ODP.Net, Transact SQL, Xquery, Stored Procedures,SDLC,UML.**

# Grafton Merchanting GB: Oxford. October 2015 – February 2016

Position: **BizTalk Lead Developer**

Technical Stack: **BizTalk Server 2013 R2,ESB 2.2,** **AS2,EDI,Azure B2B Relay Service**,**MS Dynamics AX, ESB Exception Management, C#, LINQ,TDD, NUnit,NuGet,BizTalk Deployment Framework,TFS, BizTalk CAT Instrumentation Framework, BRE,BRI, BAM,AS2, XML, XPath, XSLT, XSD, XML Spy,SSIS,SQL Server 2012 R2,ADO.Net, ODP.Net, Transact SQL, Xquery, Stored Procedures,SDLC,UML.**

# NBC Universal: London. February 2015 – August 2015

Position: **BizTalk Lead Developer**

Technical Stack: **BizTalk Server 2013 R2,ESB 2.2,ESB Exception Management, C#, LINQ,TDD, NUnit,NuGet,BizTalk Deployment Framework,TFS,BizTalk 360, BizTalk CAT Instrumentation Framework, BRE,BRI, BAM XML, XPath, XSLT, XSD, XML Spy,SQL Server 2008 R2,Oracle 11g,ADO.Net, ODP.Net,SSIS, SSRS, Transact SQL, Xquery, Stored Procedures,SDLC,UML.**

# BBC: London. June 2014 – January 2015

Position: **BizTalk Lead Developer**

Technical Stack: **BizTalk Server 2010,ESB 2.1,ESB Exception Management, C#, LINQ,TDD,BDD, NUnit,NuGet,BizTalk Deployment Framework, BizTalk CAT Instrumentation Framework, BRE, BAM ,REST,Apigee Cloud PaaS, Custom WCF Adapters, XML, XPath, XSLT, XSD, XML Spy,SQL Server 2008 R2,NoSql Mark Logic db,Oracle 11g,SAP ECC6,ADO.Net, ODP.Net,SSIS, SSRS, Transact SQL, Xquery, Stored Procedures,SDLC,UML,GIT, and TeamCity**

# University of Lincoln: Lincoln. March 2014 – May 2014

Position: **BizTalk /C#/.Net Architect/Lead Developer**

Technical Stack: **BizTalk Server 2013,ESB 2.2,ESB Exception Management, C#, LINQ,TDD, BizTalk Deployment Framework,Enterprise Library, BizTalk CAT Instrumentation Framework, BRE, BAM , WCF Adapters, XML, XPath, XSLT, XSD, XML Spy,SQL Server 2008 R2 ,ADO.Net, ODP.Net,SSIS, SSRS, Transact SQL, Xquery, Stored Procedures,TFS,SDLC,UML.**

# Clarks Shoes: Street,Somerset. June 2012 – February 2014.

Position: **BizTalk /C#/.Net Architect/Lead Developer**

Technical Stack: **BizTalk Server 2010,ESB 2.1,EDI EDIFACT,AS2,,ESB Exception Management, C#, LINQ,TDD, BizTalk Deployment Framework,Enterprise Library, BizTalk CAT Instrumentation Framework, BRE, BAM , WCF Adapters, XML, XPath, XSLT, XSD, XML Spy,SQL Server 2008 R2 ,ADO.Net, ODP.Net,SSIS, SSRS, Oracle 9i, Transact SQL, PL SQL, Xquery, Stored Procedures,TFS,EDI(D96A,D01B),EAI,B2B,SAP IDocs,SDLC,UML.**

# Bank of Tokyp: London. April 2012 – June 2012

Position: **BizTalk /.Net Consultant**.

Technical Stack: **Biztalk Server 2006, C#, BRE, MQ Series,WCF Adapters, XML, XPath, XSLT, XSD, SQL Server 2008 R2 ,Transact SQL, Xquery,Stored Procedures,ADO.NET,TFS,UML.**

# RSPB: Sandy, Bedfordshire. November 2011 – April 2012

Position: **BizTalk /.Net Consultant**.

Technical Stack: **Biztalk Server 2010, C#, BRE, WCF LOB Adapters, XML, XPath, XSLT, XSD, SQL Server 2008 R2 ,Transact SQL, Xquery,Stored Procedures,ADO.NET,TFS,UML.**

# Fujitsu: Dublin, Ireland. October 2011 – November 2011

Position: **BizTalk /.Net Consultant**.

Technical Stack: **C#, Biztalk Server 2009,ESB,BAM,BRE,SOAP, SOA,EAI,B2B, Log4Net, Debugview, Bizunit,SQL Server 2008 , Oracle, TFS, XML, XPath, XSLT, XSD, Transact SQL, Stored Procedures, SSIS ,ADO.NET, UML.**

# Clarks Shoes: Street,Somerset. November 2010 – September 2011(Fourth Assignment at Clarks)

Position: **BizTalk /.Net Consultant**.

Technical Stack: **C#, Biztalk Server 2006 R2 & 2010 ,ASP.Net,.NET 3.5,4. WCF LOB Adapters,Web Services, SOAP, SOA,EAI,B2B, Log4Net, Debugview, Bizunit, SQL Sever 2005,SQL Server 2008 R2, Oracle, TFS, XML, XPath, XSLT, XSD, SAP IDocs, Transact SQL, Stored Procedures, SSIS ,ADO.NET, UML.**

# Unum Provident Insurance: Bristol. January 2010 – October 2010

Position:**BizTalk/.Net Consultant**.

Technical Stack: **C#, Biztalk Server 2006 R2,BAM,BRE,.NET 3.5,LINQ, Enterprise Library,ESB,Web Services, IBM MQ Series,SOAP, SOA,EAI,B2B, Log4Net, Debugview, Bizunit, SQL Server 2005,IIS 6, XML, XPath, XSLT, XSD, XML Spy, Transact SQL, Stored Procedures, SSIS ,ADO.NET,TDD, TFS,SDLC and UML.**

# Clarks Shoes: Street,Somerset. September 2009 – December 2009(Third Assignment at Clarks)

Position: **BizTalk /.Net Consultant**.

Technical Stack: **C#, Biztalk Server 2006 R2,ASP.Net,.NET 3.5, WCF LOB Adapters,Web Services, SOAP, SOA,EAI,B2B, Log4Net, Debugview, Bizunit, SQL Sever 2005,Oracle, XML, XPath, XSLT, XSD, SAP IDocs, Transact SQL, Stored Procedures, SSIS ,ADO.NET, UML.**

# Imerys Minerals – St Austell May 2009 – August 2009

Position: **.Net/Sql Server/BizTalk Lead Developer**

Technical Stack: **BizTalk 2009,C#,ASP.NET,.NET 3.5, Visual Studio 2008, Oracle 9i,ODP.NET,Pl –Sql,TDD,SOA,EAI,B2B,SOAP, Web Services,WCF, WCF LOB Adapters, BAM, BizTalk 2009 Installation, BizTalk Deployment,BTSTask, XML, XPath, XSLT, XSD, Log4Net, Debugview, SQL Sever 2005/2008, Transact SQL, Stored Procedures,ADO.NET.**

# Heidelberg Cement AG – Heidelberg, Germany January 2009 – May 2009

Position: **.Net/Sql Server/BizTalk Lead Developer**

Technical Stack: **C#,.NET 3/3.5, Visual Studio 2005/2008,**

**Test Driven Development,SOA,EAI,B2B,Biztalk Server 2006 R2, BAM, BizTalk 2006 Installation, BizTalk Msi Deployment , Log4Net, Debugview, Bizunit, SQL Sever 2005/2008, XML, XPath, XSLT, XSD, SAP IDocs, BAPI, Transact SQL, Stored Procedures, SSIS,SSRS,ADO.NET.**

# Clarks Shoes: Street,Somerset. November 2007 – December 2008.

Position: **.Net/Sql Server/BizTalk Consultant**.

Technical Stack: **C#,ASP.Net,.NET 3, SOA,EAI,B2B,Biztalk Server 2004/2006/R2, EDI,Log4Net, Debugview, Bizunit, SQL Sever 2000/2005,Oracle, XML, XPath, XSLT, XSD, SAP IDocs, Transact SQL, Stored Procedures, SSIS, DTS ,ADO.NET,VB6,COM/COM+, UML.**

# Britsh Car Auctions: Hindhead,Surrey. November 2006 - October 2007.

Position: **.Net/BizTalk Consultant.**

Technical Stack: **C#,.NET 2/3, Visual Studio 2005 Team Edition,TFS,Biztalk Server 2006,Log4Net, Debugview, Bizunit, NANT, NUnit, MSMQ, SQL Sever 2000/2005,WCF,SOAP,Web Services, XML, XPath, XSLT, XSD, Transact SQL,ADO.NET,COM/COM+, UML, SOA, AGILE/SCRUM.**

# Clarks Shoes: Street,Somerset. November 2004 – October 2006.

Position: **.Net/Sql Server/BizTalk Consultant**.

Technical Stack: **C#,VB.NET,ASP.NET,VB 6.00,VSS,Biztalk Server 2002/2004/2006, Crystal Reports Enterprise/Business Objects 10/11, SQL Sever 2000/2005,DTS,Web Services, XML, XPath, XSLT, XSD, Transact SQL,ADO.NET,AJAX,ADO,COM/COM+, EDI, SAP, SAP .Net Connecter**, **IDOC’s, UML, OOD & OOP.**

# CFP Software Ltd: Redruth. February 2004 – September 2004

Position: A/P.

Technical Stack: **VB.NET,ASP.NET,VB 6.00,VSS, SQL Sever 2000,Web Services,.NET Remoting, XML,XSD,SAX,Transact SQL,ADO.NET,ADO,COM/COM+,DCOM, Activex Controls, Activex DLL’s,MS WORD VBA, UML, OOD & OOP.**

# EPSRC : Swindon. January 2003 – December 2003

Position: A/P.

Technical Stack: **VB.NET,ASP.NET,VB 6.00,VSS, SQL Sever 2000,MS Biztalk,Web Services,.NET Remoting, XML,XSD,Transact SQL,ADO.NET,ADO,COM/COM+,DCOM, Activex Controls, Activex DLL’s,MS WORD VBA, UML, OOD & OOP.**

# SECURICOR INFORMATION SYSTEMS Ltd : Chippenham. May 2001 – October 2002.

Position: A/P.

Technical Stack: **VB 6.00,VB.NET, VSS, ORACLE 8i,PL SQL,** **Oracle Objects for OLE(OO4O),COM/COM+, DCOM, Activex Controls, Activex DLL’s,MS WORD VBA, XML, UML, OOD & OOP.**

# ACE(EUROPE) LTD : Crawley. January 2001 – April 2001

Position: A/P.

Technical Stack: **VB 6.00,VSS,IBM DB2,SQL Server 2000**, **COM,COM+, TSQL, XML, ADO, DOM, Activex DLL’s & Controls,** **Crystal Reports**, **UML, OOD & OOP.**

# SECURICOR INFORMATION SYSTEMS Ltd : Chippenham. July 2000 – December 2000

Position: A/P.

Technical Stack: **VB 6.00,VSS, COM, DCOM, Activex Controls, Activex DLL’s, XML, UML, OOD & OOP.**

# KERRY FOODS Ltd: Poole. April 2000 to July 2000

Position: A/P.

Technical Stack: **VB v6.00, VSS, COM, DCOM, ADO, Activex Controls, Activex DLL’s, UML, OOD & OOP.**

# SECURICOR INFORMATION SYSTEMS Ltd : Chippenham. December 1998 – March 2000

Position: A/P.

Technical Stack: **VB v5.00/6.00,VSS, COM, DCOM, Activex Controls, Activex DLL’s, UML, OOD & OOP.**

Platforms: Pentium PC, Windows NT 4 Workstation, and NT4 Server, Oracle 8 and Tuxedo Transaction Server.

**HYDER PLC : Cardiff.**  **November 1997- December 1998**

Position: A/P.

Technical Stack: **VB v4.00/5.00, ASP, SQL Server v6.5/7.0, Access 97, DB-LIB, ODBC API, ADO, RDO,Filenet Watermark Activex Controls SMS Installer, OOD & OOP.**

Platforms: Pentium PC, Windows 95, and NT4 Server, Filenet Watermark Document Imaging.

**GCHQ: Bude 1995-November 1997**

Position: A/P & Systems Administrator.

Technical Stack: **VB v4.00/5.00, MS Access V1.1/2.0/95/97, SQL Server v6.5, RDO, HPIB(IEEE 488), RS232,RS422, CCITT No.7 Signaling protocols, ISDN.**

**GCHQ : Bude. 1986-1995**

Position: Hardware Support Engineer.

**GCHQ : Cheltenham. 1984-1986**

Successfully completed GCHQ 1 year Communications Engineering Technician training programme, which is IEEE recognised.