

# JOHN BOTIBOL

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UK & Irish Nationality

## SUMMARY

John has developed both bespoke and “off the shelf” applications for a wide range of industries over many years. He has experienced the entire lifecycle from gathering requirements, specifications, coding, testing, deployment and review. Clients have ranged from small businesses to leading corporate entities such as Barclays Bank and E.ON. His strengths include the capacity to take ownership of his work, to communicate effectively both with project sponsors and team members, to demonstrate initiative when appropriate and to ensure that he always adds value to any project with which he is involved. John has over 15 years’ experience working with MS SQL Server, query tuning, programmability and is quoted by Joe Celko in his well-known book “SQL for Smarties”.

## WORK EXPERIENCE

27/08/2019 –  
Now

### HEAD OF DEVELOPMENT

RMJ Clinical Solutions Limited

Development of a clinical communication app. Managing a team of developers.

Feb 2018 –  
May 2019

### XAMARIN MOBILE DEVELOPMENT (Contract)

Skyward Solutions Ltd

Development of a tablet-based app on iOS and Android using Xamarin Forms. Extensive bi-directional WebView and Javascript integration. Background data synchronization. SVG, camera, renderers, custom controls, database migrations, Syncfusion. Web API Git. App Store and Google Play.

Mar 2019 –  
Apr 2019

### GRAND TOUR (time out)

Personal

European tour by car taking in France, Germany, Austria, Slovenia, Croatia and Italy.

Jan 2019 –  
Mar 2019

### XAMARIN & ASP.NET MVC (Contract)

Various clients

Additional work on several projects. Additional features for the Skyward application. Generation of PDF reports on an Android Xamarin application. Creation of a prototype

## SKILLS

### General

Full life cycle

Agile methods

Excellent communication

### Technical

C#, VB, .Net Framework,

Windows Desktop,

Net Core, MVC, Web API,

WCF, MSSQL, EF, MS Unit Test

Framework, NUnit, Selenium,

WiX Toolset, JavaScript, jQuery,

HTML, CSS, PDF

### Mobile

Xamarin iOS, Android, Forms

### Infrastructure

Azure, Git

Team Foundation Server

MS SQL Server

VM, Genymotion

App Stores

HockeyApp

### 3rd Party

Developer Express Components

eXpressApp Framework

Syncfusion

## LEGACY

Powerbuilder, Informix 4GL,

Foxpro, VB6,

Assembler Z80, 6809, 8086

Unix/Xenix

## INTERESTS

Learning

Fly fishing

Cooking, Wine

Travel

(sample) HR application using ASP.Net MVC & SQL Server.

11/09/2017 –  
21/12/2018

### **XAMARIN MOBILE DEVELOPMENT (Contract)**

Mole Valley Farmers Ltd

Production of a mobile application using Xamarin Forms on Android and UWP. Approximately 80 screens, camera, custom XF controls and renderers plus Syncfusion charting controls, Autofac IOC. SQLite. Sharepoint REST API.

05/01/2015 –  
01/09/2017

### **TECHNICAL LEAD**

Data Pigeon Limited

Specification and design of Data Pigeon product. Development of 2 core ASP.Net MVC applications. Development of 2 mobile apps (iOS & Android). Azure infrastructure configuration & administration.

16/11/2007 –  
01/09/2017

### **TECHNICAL LEAD**

Extrasoft Ltd

Development of eXtraLettings, an ASP.Net Letting Agency System. Support & on-going development of SMART and ePlanner.

01/04/2003 –  
31/10/2012

### **TECHNICAL MANAGER**

Aureole Consultants Ltd

Development & support of SMART, ePlanner & ePortal. Design & development of Global eXchange. Configuration and administration of LAN & WAN.

## **ABOUT**

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RMJ Clinical  
Solutions  
27/08/2019

Working with a distributed team building a mobile solution for clinical communications. My work involved both the client app and the back end server farm. The app development had already started in Xamarin Forms, my initial work involved both developing additional features and establishing a solid architecture for the app and initial architectural changes to the server back end. Whilst building a small team I then re-developed the servers to use .Net Core together with Azure hosting and services such as Service Bus, SignalR and Azure Function Apps.

### **TECHNOLOGY**

|                   |                     |                        |
|-------------------|---------------------|------------------------|
| C#                | Javascript          | .Net Core              |
| Azure WebApps     | Azure Function Apps | Azure SQL              |
| Azure Service Bus | Azure SignalR       | Azure Notification Hub |
| Firebase Hub      | Serilog             | OIDC                   |
| Unit Testing      | Integration Testing | Azure DevOps           |
| Autofac           | Xamarin Forms       | App Stores             |
| Android           | iOS                 |                        |

Skyward  
Solutions  
19/02/2018 -  
30/05/2019

Working within a distributed development team to build the mobile element of an integrated solution for a major organisation within the aviation industry together with some server endpoints. The App was built using Xamarin Forms as the main framework and delivered on iOS and Android tablets. The App is designed to replicate many features of the main web application so that they can be used off-line.

The 2 main areas of the App are delivered using a customised WebView together with Html. In one case static Html pages are rendered based on MVC originals together with models derived from the local database. In the second case, pages are rendered using React with bi-directional JavaScript integration to both deliver and update models.

Techniques used include the elimination of raster images throughout, these are replaced with scalable SVG alternatives. Background processes are used to provide data synchronization with the server. Etag concepts are used to deliver updated content from the server when needed. Custom data migrations are used to maintain the DB Schema on application updates. IOC is provided using Autofac and logging is based on Serilog.

Git (BitBucket) was used for SCC and Slack for team communications.

**Will Ward, Director:** "John integrated quickly and easily into the team and worked as a critical member in delivering a complex, multiplatform application. He grasped the concepts and was up to speed and contributing in no time. The application launched on time, in budget and is now being rolled out to the global market."

## TECHNOLOGY

|         |               |        |
|---------|---------------|--------|
| Xamarin | Xamarin.Forms | SQLite |
| Autofac | SkiaSharp     | SVG    |
| Serilog | Syncfusion    | Git    |
| Web API | Android       | iOS    |

Lifetime Dairy  
11/09/2017 -  
21/12/2018

The Lifetime Dairy app has been developed as an application to help build stronger partnerships with dairy farmers through the use of a number of comprehensive diagnostic tools. The app is designed to run on Android or UWP tablets and to be able to run off-line since many farm locations have poor mobile reception.

The app is built using Xamarin Forms, data is persisted locally using SQLite and synchronised bi-directionally with back office systems based around MS Sharepoint. Syncfusion products have been used to provide comprehensive charting capabilities together with other useful controls and PDF generation.

Custom controls and custom renderers have been developed to provide highly specific visual presentation capabilities in addition to extending functionality to existing controls. IOC is provided by Autofac, logging using Serilog, model mapping with AutoMapper and drawing using SkiaSharp. The MVVM pattern and XAML has been used throughout to provide a clean separation of UI and business logic and to improve the coverage and value of Unit Tests.

**Andy Skarzynski, Head of Marketing:** "John took an ill-conceived trial product and rebuilt it as a simple to use application that offered an intuitive and logical user path. The intended audience are now adopting the tool and we are now starting to get the commercial advantage we targeted".

## TECHNOLOGY

|         |               |                     |
|---------|---------------|---------------------|
| Xamarin | Xamarin.Forms | SQLite              |
| Autofac | SkiaSharp     | AutoMapper          |
| Serilog | Syncfusion    | Sharepoint REST API |
| Android | PDF Creation  |                     |

Data Pigeon  
03/02/2014 –  
30/06/2017

Is an innovative product which provides mobile access to company data where no mobile client is available or where data should be aggregated from multiple sources. Data Pigeon Manager is installed on a customer's network and is used to configure connections to both local and cloud based data sources such as accounts or CRM together with presentation and layout information. The Data Pigeon app connects to the Data Pigeon server on demand to present the requested data in real-time. Technology used includes ASP.Net MVC, Web API, EF and Xamarin iOS and Android.

#### TECHNOLOGY

|         |                     |                     |
|---------|---------------------|---------------------|
| ASP.Net | MVC                 | Xamarin iOS/Android |
| MSSQL   | Web API             | Entity Framework    |
| Ninject | Bootstrap           | JavaScript          |
| jQuery  | SignalR             | DX Report Designer  |
| Stripe  | MS Unit Test        | Selenium            |
| TFS     | Azure SQL Databases | Genymotion          |

eXtraLettings  
15/04/2013 –  
20/01/2014

Is developed using eXpressApp Framework from Developer Express. Extensions included document editing, merging and delivery as PDF. The system manages the business requirements of holiday letting agents.

#### TECHNOLOGY

|         |       |     |
|---------|-------|-----|
| ASP.Net | MSSQL | XAF |
|---------|-------|-----|