

# FRANZ-JOSEF AYESTARAN

Mobile 07940 901877 - Email [franz@ayestaran.co.uk](mailto:franz@ayestaran.co.uk) – CV [download](#)  
Website [franz.ayestaran.co.uk](http://franz.ayestaran.co.uk) - Twitter [@ayestaran](https://twitter.com/ayestaran) - LinkedIn [ayestaran](#)

An accomplished and experienced Lead / Senior iOS Developer with a range of skills encompassing Development, Installation and Configuration of IT Hardware & Software, with a history of employment as an Application, Mobile, Native iOS, PhoneGap & Web Developer using the latest mainstream technology within an AWS and Windows Azure Environment.

## TECHNICAL SKILLS

<b>Windows Development:</b>	<b>Microsoft Visual Studio</b>	(5+ years)
	<b>Microsoft Mobile / Compact Framework</b>	(5+ years)
	<b>Microsoft Embedded Visual Basic</b>	(5+ years)
	<b>Borland Delphi</b>	(5+ years)
	<b>PIC RISC MPLAB / MPASM Assembler</b>	(5+ years)
<b>Apple Development:</b>	<b>Xcode, Objective-C, Swift, TestFlight</b>	(5+ years)
<b>Relational Database:</b>	<b>MS SQL Server / Reporting Services, MySQL</b>	(5+ years)
<b>Other Databases:</b>	<b>MongoDB, Redis and SQLite</b>	(5+ years)
<b>Web Development:</b>	<b>MS Visual Studio, Dreamweaver, Flash, Asp.Net Node.js, Php, jQuery, JavaScript, VbScript, PhoneGap, Sqlite, Wml, HTML5, CSS3, IIS, Ftp</b>	(5+ years)
<b>Assembly Languages:</b>	<b>PIC RISC Micro-controller, 8086, 68000, 6502</b>	(5+ years)
<b>Microsoft Windows:</b>	<b>Windows 10 / 8 / 2012 / 2008 / 2003 / VISTA / XP</b>	(5+ years)
<b>Cloud Computing:</b>	<b>Windows Azure &amp; Amazon Web Services</b>	(5+ years)

## INDEPENDENT APPLE APP STORE DEVELOPMENT

**Apple iOS Developer Program,**  
(6 Apps available to download from the Apple Store)

**Enrolled July 2009 – Present**  
[itracker.zonktechnology.com](http://itracker.zonktechnology.com)

**[iTracker](#)** *Prototyped in PhoneGap Migrated to Native Objective-C iOS6, updated for iOS 7 - 12*

iTracker is a GPS based telemetry logger that stores real-time location data at user defined intervals. Journey information can be displayed on an interactive map or through the built-in CSV and GPX viewer. Routes exported via email and Dropbox can be imported into third party software that support both Comma-separated and GPS eXchange file formats. Waypoints can be graphically or manually bookmarked, then imported and exported via the clipboard.

**[iWeatherMap](#)** *Developed for iOS7, updated for iOS 8 - 13* [iweathermap.zonktechnology.com](http://iweathermap.zonktechnology.com)

Hassle free, past and present weather forecasting with accurate short term and long term future predictions, anywhere in the world. The simple to use UI comes into it's own when choosing a geographical location within a specific point in time, making it ideal for a variety of forecasting requirements.

Other apps include... [iPicSolve®](#), [iWebSearch](#), [iColourPicker](#), [iTimeTable](#)

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## EMPLOYMENT

**Lead / Senior iOS Developer, (Freelance)**  
**Silicon Roundabout**  
**(Startups)**

**January 2016 – December 2019**  
[www.techhub.com](http://www.techhub.com)

Developing iPhone based minimum viable products for the startup community, solutions consisting of server & client side technology that were subject to non-disclosure agreements.

**Chief Technology Officer, (Full Time)**  
**MangoSteam LTD, Canary Wharf**  
**(Startup)**

**January 2015 – December 2015**  
[www.mangosteam.net](http://www.mangosteam.net)

Developing and maintaining backend servers while providing instruction and guidance to off-shore outsourced front-end native mobile developers, ensuring coding standard & conformity.

**Senior Developer, (Full Time)**  
**Hitched LTD, Camberley**  
**(Wedding and Leisure)**

**March 2014 – December 2014**  
[www.hitched.co.uk](http://www.hitched.co.uk)

[hitched for Wedding Guests](#) (Available on the Apple App Store – Native iOS 8)

Brought on-board in order to turn around the time already invested developing the company's first iOS based mobile app. As a result of this, knowledge of iOS development is now in-house and the app has now been pushed to the Apple store within the allotted time.

- The overseeing of an outsourced offshore team of mobile developers
- Ensuring a comprehensive scalable and maintainable programming library
- Implementation of bespoke Storyboard UI's for an enhanced and optimal UX
- Dependency management by means of CocoaPods
- Mobile communication via a C# ASP.NET, JSON and RESTful based Web API
- The integration of 3rd party libraries such as AFNetworking, Parse push notification, FMDB, Google Analytics / Interstitial / Monetisation, Objective-Zip and Zbar
- Arc Development, Forecast.io Weather Web API, Grand Central Dispatch (GCD)

Full stack development in a Windows / Mac / iOS / AWS and SQL Development environment using Xcode Objective-C, Visual Studio C#, MS SQL Server, SQLite, Core Data, DOT NET, Instruments, GitHub, SVN, TestFlight, Local and Remote Push Notification.

**Senior Analyst Programmer, (Full Time)**  
**Simplyhealth (Groupama Healthcare), Letchworth**  
**(Private Medical Insurance)**

**March 2011 – February 2014**  
[www.simplyhealth.co.uk](http://www.simplyhealth.co.uk)

Having recently been acquired by Simplyhealth, I found myself discussing with the then CEO about what mobile technology could bring to the company. The conversation moved on to an idea that he had for a mobile passive fitness tracking app which would encourage people to invest time in walking part way towards their daily commute. As a result of our 20 minute meeting, the company provided myself and a colleague with the latest Apple technology in

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order to investigate how this platform could bring their business services closer to their customers' needs.

Mobile application prototyping and proof of concept in a Windows / Mac / iOS / Cloud and SQL Development environment using Windows Azure, AWS, Visual Studio 2012, MS SQL Server / Reporting Services 2012, DOT NET Framework 4.5, Xcode Objective-C (iOS7), TestFlight, Dreamweaver CS6, PhoneGap 2.7, Hybrid, jQuery Mobile, Html5 and UX.

**Web / Software Developer, (*In-House*)**  
**Acwebserve, Maidenhead**

**December 2009 - February 2011**  
[www.acwebserve.com](http://www.acwebserve.com)

- Pic-Microcontroller, Windows & Mobile 6.5 Pro VB.NET 3.5 Application Development
- Visual Studio 2010, ASP.NET 4, [Dreamweaver CS5.5](#), jQuery
- Website Hosting, Design and Development
- [MS SQL 2008](#) and [MySQL](#) Database Development

**Web Developer, (*Volunteer*)**  
**Berrygrove School, Watford**

**December 2008 - July 2012**  
[www.berrygroveschool.co.uk](http://www.berrygroveschool.co.uk)

Design, development & maintenance of a bespoke website and [web-content management](#) system using MS Visual Studio 2010 / SQL Server 2008, ASP.NET4.5, IIS 7.5, MySQL 5, Dreamweaver / Flash CS6, Html5, PHP5, jQuery Mobile, jScript, CSS3, Crystal Reports 10.

**Web / Software Developer. (*Full Time*)**  
**Holstein UK Ltd, Rickmansworth, Hertfordshire**  
**(*Pedigree Society*)**

**February 2006 - November 2009**  
[www.holstein-uk.org](http://www.holstein-uk.org)

## **Software Development**

Coding and Testing, Product Maintenance, Maintaining In-house Software Standards, Performance Tuning, Customer Support, Ad-hoc Queries & Documentation.

## **Development Platforms, Applications and Languages**

Win Server 2003 / XP / Mobile 5, MS SQL Server & Visual Studio 2008, Crystal Reports 10, ASP.NET, VB.NET, DOT NET 1.1-3.5, T-SQL, IIS 7, WAP / GSM, Access 2003, SVN, Adobe Captivate / Dreamweaver / Flash / Photoshop CS3.

## **Mobile Type Classification Service**

In a team involved with the design, development and implementation of a Windows Mobile 5 Professional VB.NET 3.5 based solution in order to classify cows for the farming industry using the Symbol MC9094 hand held device. Gathered Information is validated and processed using a compact version of SQL, this is then transmitted back to in house servers via a GSM based web service. Classification reports are generated and printed at the client's site via a Bluetooth printer.

## **Real Time Inbreed Co-Efficient Calculator**

Developed T-SQL Stored procedures to reflect the co-efficient algorithms researched by our company geneticist in order to allow clients to accurately predict inbreed co-efficiency in existing and mating cattle. The Stored Procedures are called through a data access and business logic layer by an ASP.NET 2 based web and mobile phone based solutions.

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**Network Engineer, (Contract)**

**Cheeky Munkey Ltd, Bricket Wood, Hertfordshire.  
(PC Network Installations)**

**December 2004 - January 2006**

[www.cheekymunkey.co.uk](http://www.cheekymunkey.co.uk)

Designing, planning, installing, configuring, maintaining and fault finding Cat 5 Pier to Pier, workgroup and domain networks using Cisco Aironet 1200 Wireless Access Points.

Replaced paper job sheets with a digital version.

**Software Developer, (Freelance)**

**Zonk® Technology, Wilbury Way, Hitchin  
(ActiveX and Pocket PC Development)**

**January 2003 - January 2006**

[www.zonktechnology.com](http://www.zonktechnology.com)

## **PDA Digital Job sheet - Microsoft Embedded Visual Basic**

Designed, developed and implemented with Cheeky Munkey, a Pocket PC 2000 based digital job sheet solution as an alternative to the previously used paper system. The Network Engineer fills out the job sheet on their PDA which is checked and then signed digitally by the Customer, using a stylus and a touch screen. The Engineer's completed and signed job sheets are then sent electronically to a webserver, where they can be viewed on-line.

## **GPS Telemetry Recorder – Visual Basic 6**

Developed to display real-time Global Positioning Information direct from a GPS connected to a Laptop via Bluetooth or a Standard Serial Port. The data stream record received from the GPS can be streamed to a Text File or placed into a Table on a Database hosted on SQL Server. The data can be in turn displayed in a Web Page and hosted through IIS or Apache enabling a live feed to Users online.

**Visual Basic Consultant, (Contract)**

**CJL Computers Ltd, Axminster, Devon.  
(MultiValue and PICK Based Systems)**

**November 2002 - December 2002**

[www.cjlcomputers.co.uk](http://www.cjlcomputers.co.uk)

Designed and developed a bespoke database system in Visual Basic 6 to access information stored on a MultiValue Database System using OLEDB connectivity. The original database system used green screen and command line driven menus and needed to be developed in Visual Basic to make full use of the Windows graphics user interface.

**Software & Database Developer. (Full Time)**

**Analogue and Digital Technology PLC, Dunstable.  
(Apple Authorised Service Provider)**

**April 1999 - October 2002**

[www.euro-adt.com](http://www.euro-adt.com)

## **Software Database Development**

As part of the IT Department my job was to develop in house software and database systems using Borland Delphi 7, FileMaker 5 and Microsoft Transact-SQL 2000.

Developed a clocking system in Delphi allowing employees to clock in and out by simply swiping an ID card with a barcode printed on it. The personnel and clocking data were stored on SQL Server 2000 accessed via ADO using Stored Procedures to prepare and process employee clocking reports.

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## OPEN SOURCE REPOSITORY

**Code Monkeys** (*Organiser*)  
Open Source, Online

February 2014 - Present  
<https://github.com/code-monkeys>

A meet up for software developers interested in learning new technologies with like minded people. We meet every 3 weeks on Thursday evening to discuss a topic in the software engineering genre. Members can vote on which topic they would like to discuss. There will be web links to suggested learning in preparation for the meet up. Explored coding techniques and tutorials are available on GitHub.

**iTodo** (*Available on-line*)

<https://github.com/code-monkeys/itodo>

A full stack approach to integrating mobile and server side technology.

Project open source code includes...

1. Mobile App (Xcode11 Objective-C iOS13)
2. Restful Webservice C# WebAPI (MongoDB.Net Driver 1.8.3.9)
3. Database (MongoDB 2.4.9)

## EDUCATION / PERSONAL

<b>The Open University</b>	BSc (Honours) Degree in Computing and IT	<b>Studying</b>
<b>City &amp; Guilds</b>	Website Software – Dreamweaver Level 3	<b>March 2011</b>
<b>City &amp; Guilds</b>	Communication & Information Technology	<b>June 1987</b>
<b>CRB Enhanced Disclosure</b>	001219712606	<b>May 2013</b>
<b>Data Protection</b>	Groupama Insurances	<b>October 2011</b>
<b>Forklift License</b> ( <i>Counterbalance &amp; Reach</i> )	RTITB 100231108	<b>September 2010</b>
<b>Health &amp; Safety</b>	Level 2 Award – In the Workplace	<b>September 2010</b>
<b>Other Roles:</b> Fire Warden	<b>Resident:</b> UK	<b>Driving Licence:</b> Full UK Car & Motorcycle

**Interests:** Rebuilding Car and Motorcycle Engines, Motorcycle / Single Seater Track Days