

# **Xiaoxiao(Sean) Wang**

Email: wxx5271@hotmail.com

Phone: 07582431748

## **SUMMARY**

A software developer experienced in analysing, designing, developing and troubleshooting software solutions used in the transportation, banking and health sectors. A reliable problem solver dedicated to accurate and timely delivery.

## **TECHNICAL EXPERTISE**

### **Architecture/Methodology**

Object Oriented Analysis and Design, UML, Design Patterns, SOLID Principles, Agile Development, Test-Driven Development, Scrum, Kanban

### **Languages/Frameworks**

- Proficient in C#, JavaScript, HTML, CSS, ASP.NET, JQuery
- Experienced with AngularJS, Bootstrap, SQL, NUnit, Moq, Jasmine, Entity Framework, NHibernate, RESTful Web Services, XML
- Familiar with Java, Delphi 5, Objective-C

### **Tools/Services**

- Microsoft Visual Studio, Resharper, SQL Server, SSMS, SSIS, SSRS, Oracle, TOAD, Crystal Reports, PDFsharp, Xcode
- Git, TFS, Subversion, SourceSafe, CruiseControl.NET, VMWare

## **EMPLOYMENT**

### **Web Developer**, August 2015 - Present

Royal Bank of Scotland, Edinburgh

- Design and build web-based applications to keep pace with rapidly changing business problems. The applications were deployed internally primarily for sales and deal management for the asset finance and invoice finance businesses. Most of applications are developed on an Oracle database with application layer in C# and a .NET front-end using ASP.NET and JQuery.
- Designed and built a creative solution to allow an asset finance portfolio management system to work with the bank wide anti money laundering system. It significantly speeds up the deal verification and payout process. I designed the prototype and demonstrated to key stakeholders from different business areas, then I led the development and successfully delivered the solution with two other developers.
- Implemented a major pricing framework update to an asset finance portfolio management system. It enables relationship managers to produce more accurate and fair quotes to the customers in a timely manner. I was in charge of the UI side of the development and delivered a smart form solution which is very well received by the business.

### **Senior Developer**, April 2013 - August 2015

### **Developer**, October 2011 - March 2013

Lockheed Martin Business Technology Solutions Limited (previously known as Amor Group, acquired by Lockheed Martin in September 2013), Glasgow

- Implemented a qualification and competency management system for a air traffic control provider. I was heavily involed in the UI design and the front-end development, I designed a Windows metro style UI framework which provides a robust multi-device experience to the end users. The system was developed using AngularJS, Bootstrap, ASP.NET Web API and Entity Framework. Jasmine, NUnit and Moq were used for unit testing. TFS and Git were used to support Agile Scrum process and version control.
- Undertook a feasibility study for developing a Windows Form application to replace the existing monitoring tool for air traffic control command terminals and build a prototype system to

prove the concept. The customer was pleased with the study report and prototype system and decided to go ahead with the full implementation.

- Designed and built a web application for air traffic control resource managers to produce daily scheduled shift sheets for both air traffic controllers and service assistants. The application was a success and rolled out to more air traffic control centres and airports than initially planned. The application was developed using ASP.NET and SQL Server Reporting Services.

**Programmer**, January 2009 - October 2011

Health Services Research Unit, University of Aberdeen, Aberdeen

- Involved in the development, support and maintenance of a number of web applications to assist large-scale international medical trials by providing treatment randomization, electronic clinical data capture, event/documents tracking, clinic data reporting and data sanity checking services. Most of applications were dev using C#, ASP.NET, SQL Server.
- Proposed, designed and developed a Windows Forms application to create large clinic data collection pages dynamically from the database. It stores UI control data to the extended properties on database objects, then base on these data to generate ASP.NET web pages with standard web controls and validations. It speeds up the web development process tremendously.

**Software Developer**, March 2006 - July 2007

Dronax Systems Ltd, Edinburgh

- Designed and developed a bespoke customer relationship management system for a translation and interpreting services company. Responsibilities include requirements gathering, back-end and UI design, implementation and acceptance testing. The software was developed using C#, Windows Forms and SQL Server.
- Designed and developed a business reporting tool a POS cash register software System. The tool was developed using C#, Windows Forms, Crystal Reports and SQL Server.

## EDUCATION

**Heriot-Watt University**

MSc (Distinction), Software Engineering  
September 2007 - November 2008

**The University of Edinburgh**

BSc, Computer Science  
September 2001 - July 2005

## LANGUAGES

Chinese (Native)  
English (Full professional proficiency)

## VISA STATUS

UK Permanent Residence