Xiaoxiao(Sean) Wang

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SUMMARY

I am a software engineer with ten years of experience designing and developing business applications for clients in the banking, aviation and health sectors. I am positive, highly motivated, self-starting and keen and able to learn new skills. I have experience of the full system development lifecycle from requirements capture to implementation of Windows or web-based applications. I have an excellent record of achieving deliverables within defined time constraints.

TECHNICAL EXPERTISE

Architecture/Methodology

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

Languages/Frameworks

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

Tools/Services

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

EMPLOYMENT

Web Developer, August 2015 - Present
Royal Bank of Scotland, Edinburgh

- End to end web development for a sales management system that is tailored for Bank's asset finance and invoice finance businesses. (C#, ASP.NET, JQuery, PL/SQL)
- Developed a workflow solution that streamlined the Anti-Monmey Laundering(AML) certification process for both sales and AML teams. Initially, I built a minimum viable product and presented it to stakeholders, then I led the development and delivered the full solution with two other developers. The solution significantly speeds up the deal verification and payout process.
- Built a two-way JavaScript data binding framework that links HTML controls with JavaScript model objects via custom HTML attributes. It enabled the team to adopt the model-view-viewmodel pattern in the front-end development.
- Introduced many new development techniques and tools to the team and wrote a number of technical documents to help others to adopt the tools. (Git, Resharper, Jasmine, Visual Studio Code for PL/SQL development)

Senior Software Developer, April 2013 - August 2015
Software Developer, October 2011 - March 2013
Lockheed Martin Business Technology Solutions Limited (previously known as Amor Group, acquired by Lockheed Martin in September 2013), Glasgow/Edinburgh

- Developed a qualification and training management system for a national air traffic control provider. I led the front-end development and designed a Windows metro style UI framework that provides robust multi-device experiences. (C#, AngularJS, Bootstrap, ASP.NET Web API, Entity Framework, SQL Server, Jasmine, NUnit, Moq)

- Developed a Windows Form application to monitor air traffic control command terminals. Initially, I build a prototype and presented to the external stakeholder. The prototype was well received and helped to win a contract for the full implementation. (C#, Windows Forms, Entity Fremwork, SQL Server)

- Led the development of a web application that produces daily scheduled shift sheets for 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. (C#, ASP.NET, JQuery, SQL Server, SSRS)

Software Developer, January 2009 - October 2011
Health Services Research Unit, University of Aberdeen, Aberdeen

- Develop and support data management and reporting systems for large-scale international clinical trials. (C#, ASP.NET, JavaScript, 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 in SQL extended properties, then base on these data to generate ASP.NET web pages with standard web controls and validations. It speeds up the web development tremendously. (C#, Windows Forms, SQL Server, SQL Doc)

Software Developer, March 2006 - July 2007
Dronax Systems Ltd, Edinburgh

- 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.

- Developed a business reporting tool a POS cash register software System. The tool was developed using C#, Windows Forms, Crystal Reports and SQL Server.

EDUATION

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