Fred Shen

FullStack Developer - Baltimore City Government DPWIT

Sunnyvale, CA - Email me on Indeed: indeed.com/r/Fred-Shen/2112e34f81de106d

• Over 8 years of Work Experience through the Diversified Fields of Software Development Life Cycle (SDLC).

• Exceptional ability to quickly master new technologies and capable of working in-group as well as independently with a sense of responsibility and ownership.

• Expertise in programming with C#, JavaScript, .Net, ASP.NET, ADO.NET, SQL-Server, Oracle, Visual Studio, Ajax, JQuery, Linq and IIS, MVC, Entity Framework.

• Extensive Experience with development & deployment of Web Services using WCF

• Experience using version control tools Team Foundation Server (TFS) or Git.

• Experience in analyzing and troubleshooting the applications performance issues including using of performance monitoring tools.

• RDBMS experience includes SQL Server, Oracle, MS Access; worked with SQL Queries, Stored Procedures, triggers, indexes, views, cursors, and functions

• Good experience and knowledge in AJAX for partial page execution and asynchronous data transfer from web server to the client.

• Experience in relational database development, for creating complex database queries, writing Constraints, Indexes, Views, Stored Procedures, Cursors and Functions using T-SQL in Microsoft SQL Server and Oracle.

• Proficient in writing Technical and Functional test scripts. Experienced in test driven development using N-Unit Testing for the piecewise testing of the Applications.

• Experience in generating Custom Reports and different types of Tabular, Matrix and distributed reports in multiple formats using Crystal Reports and SQL Server Reporting Services (SSRS).

• Experienced in different process: Agile Methodologies (extreme Programming and SCRUM), Waterfall methodologies and Test-driven development (TDD).

• Outstanding team player, also with an ability to perform well as an individual and possess excellent work ethics, self-motivated and quick learner, willing to learn and adapt new technologies.

Willing to relocate to: Sunnyvale, CA - San Francisco, CA - San Jose, CA

Authorized to work in the US for any employer

WORK EXPERIENCE

FullStack Developer

Baltimore City Government DPWIT - May 2013 to Present

Project: Central platform
Client want to upgrade the whole IT infrastructure and build applications and automation based on existing database.
Responsibilities:

• Using lots of web technology to assemble a central platform.

• Tremendously improved performance by designing and developing BI reporting system. Before need one week to generate reports, now is one click.

• Developed phone app for searching contractors' information.

• Host internal(IIS) and external website(Reverse Proxy).

• Built route models to visualize locations and map simulator that generate a precise traveling time.

• Designed and developed attendance system for all the city workers.

• Designed and developed a mailing system that could track and generate bulk emails with distinct content.

• Set up group hierarchy, which allow different dividens to have their own distinct workspace and CRUD permissions, to access all the above applications or services for baltimore citizens and city employees.
• Improved performance by moving database from Access to Sql Server. Creating server roles, training ten years historical data to right output format, designing and creating tables, primary-foreign Key relations, and writing triggers and stored procedures.

Environment: Visual Studio 2012, C# , HTML, Javascript, CSS, ASP.NET, ADO.net, Entity Framework, SQL Server 2008/2012, IIS, Web Services, TFS, JQuery, SSRS, Python, mongodb, MVC.

Senior Web Developer
United Health Group   -   Teaneck, NJ - February 2012 to May 2013

Project: Corporate Insurnce
In this project companies share their employee's details with United Health Group. UHG eligibility system uses this detail for registration, User Authentication and Authorization purposes. After then user can access Intranet portal and can find health benefits plans, health benefit products and community programs etc.
Responsibilities:
• Using Agile Methodology.
• Worked on the authentication module.
• Involved different phases of Software Development Life Cycle (SDLC) including Designing, Development, Implementation, Testing and Documentation.
• Application development using technologies such as Entity Framework, jQuery.
• Documented the details of all the WCF samples.
• Involved in fixing the bugs based on the client requirements and worked on the enhancements as per the latest WCF bits.
• Worked with team to migrate Web services to WCF.
• Developed Basic (demonstrates various technologies in WCF), Extensibility (demonstrates some WCF extensibility scenarios) and Scenario (demonstrates common WCF scenarios) samples using C#.
• Developed complex stored procedures and complex queries using SQL Server for extracting, inserting and deleting the data from the database
• Involved in writing and implementing client side validation scripts and also used server side validation controls.
• Designed and developed attractive and consistent web pages, using CSS, and DHTML.
• Involved in fixing bugs based on the client requirements and worked on the enhancements for the web pages, scripts and stored procedures.

Environment: Visual Studio 2010, C# , ASP.NET, ODP.net, Entity Framework, WCF, SQL Server 2008, IIS, .NET Framework 4.0, Web Services, Oracle, Crystal Reports, Visual SourceSafe, XML, JQuery and CSS, SSRS.

Web Developer
Fidelity - Boston, MA - December 2010 to January 2012

Description: Employee stock exchange plan is a product to manage the stock options, restricted stocks units provided by the companies to their employees. It comprises of various parts such as balances, trade, confirmations and statements to display all settled trades, journal entries, checks, deposits, withdrawals, etc. for an account, as of the stated settlement date. It also displays the general plan information, tax profiles, wire instruction and message center. The system has various user roles such as employee, plan administrators and plan sponsors. The application can be customized according to each individual client.

Responsibilities:

• Involved in all phases of SDLC such as analyze, design, develop, deployment, test, implement and production support.
• Involved in preparing software requirement specification (SRS) after detailed communications with project team and customer. Used MS Visio for creating Unified Modeling Language (UML) to describe the software both structurally and behaviorally.
• Implemented Microsoft's membership provider model and extended those features through web services to provide authentication and role based authorization to the application.

Net Developer
FROST BANK - Dallas, TX - August 2009 to November 2010

Description: FROST BANK is a leading provider of banking and financial services like credit card management, teller services, demand deposits, loans, consumer credit, clearing, delinquency and line of credit. This is a web-based application that provides online corporate credit card services to its clients and corporate customers.
Responsibilities:

• Involved in translating the customer requirements into Design specifications and ensured that the requirements translate into software solution.
• Responsible for Data Access Layer, used ADO.Net.
• Gathered User Requirements; designed the Framework using UML that included identifying the use cases and draw Use case diagrams and sequence diagrams.
• Created web applications/portals using Html, JavaScript and ASP.Net.
• Extensively involved in the creation of User Controls and reusable components.
• Written SQL Queries, Stored Procedures, Triggers, Defining roles, creating database users using SQL Sever 2005.
• Created some data cubes to store large amounts of data and for fast analysis of data.
• Involved in Code reviews and Stored Procedures Optimization.
• Involved in Testing of database, queries optimization and performance.

Environment: ASP.Net, C#, VB.NET, ADO.Net, ODP.net, Java Script, XML Web Service, XML, SOAP, Crystal Reports Enterprise Edition, UML, MS Visio, SQL Server 2005.

Software Developer
Postal Saving Bank of China (PSBC) - 北京市 - January 2008 to July 2009

Description: Postal Saving Bank of China website is an automated online banking system. It enables customers to register, and access their accounts online. To register or login, a customer sends a request to the server, which in-turn hands it over to the framework. Based on the request, a framework returns the appropriate view as a response.

Responsibilities
• Gathered User Requirements, developed business & technical scenarios using UML that included identifying the classes, use cases and its functions, then implemented Class diagrams, Use case diagrams, and Sequence Diagrams.
• Developed ASP.NET Server Controls for navigation and dynamically build up the contents of a Web Forms.
• Used ADO .NET technology to interact with SQL Server databases and developed SQL Queries, Stored Procedures and Triggers.
• Used ADO.NET connection, command, datasets, data adapter and data reader to retrieve, manipulate and display the information and store the data in SQL Server 2005.
• Use Crystal Report.

Environment: C#, ASP .NET, ADO.NET, XML, Web Services, Visual Studio 2005, SQL Server 2005, HTML, DHTML, CSS, JavaScript, Visual Source Safe.

SKILLS

.NET, .NET (8 years), C++ (6 years), Java Script (8 years)

ADDITIONAL INFORMATION

TECHNICAL SKILLS:

Languages & Database: C++, Python, JavaScript
Database: MongoDB, SQL Server, mySql.
.Net Technology: C#, ASP.Net, ADO.NET, ASP.Net MVC, LINQ, Entity Framework, Ajax, WCF.
Web Technologies: HTML, CSS, Jquery, AngularJS, Bootstrap, JSON
Web Servers: IIS
Reporting Tools: Crystal Reports, SSIS, DevExpress.
Version controls: Git, Team Foundation Server.
Others: VHDL, Matlab, Cadence