**Fereshteh Khorzani**

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US Citizen**

**Objective:**

To obtain a challenging position as a Software Engineer, where I can utilize my skills and expertise that will enable business, add value and provide opportunities for professional growth.

**Summary:**

* 12+ years of experience in analysis, design, development and deployment of web application for client-server technologies, distributed and object-oriented programming in N-tier architecture with Microsoft technologies, Waterfall, following Agile/Scrum development methodologies
* Expertise in developing applications under .NET Framework 4.5.1/4.5/4/3.5/2.0/1.x using ASP.Net, ADO.NET, VB.NET, C#, SQL Server, and have knowledge about WPF, Silver light and WCF. Worked with Visual Studio 2005/2008/2010/2012/2013/2015
* Comprehensive software development life cycle experience with active involvement in requirement gathering, analysis, design, programming, testing, implementation and support
* Implemented Multithreading Concepts to improve the application Performance
* Have knowledge in projects involving Scrum methodology
* Worked on designing and developing web applications using HTML4/5, XML, XAML, JavaScript, jQuery, Angular JS, Angular 2, JSON, LINQ, Web Services, AJAX, CSS, Master Pages and Site Map to enhance user experience and performance
* Have knowledge about private and public Web APIs using ASP.NET Web API
* Have knowledge in developing applications using MVVM, MVC3/MVC4/MVC5, Entity Framework and Razor
* Worked extensively in managing security features in the .NET framework like authenticating and authorizing users. Using Forms based authentication, creating Membership, Profiles and Role Providers
* Have knowledge of oAuth 2.0, and authorize third-party access to their server resources without sharing their credentials
* Familiar with latest Web technology like, Angular JS, CSS and HTML (Tags, Local Storage Feature, New Input Types).
* Have experience of working in Bootstrap for designing UI
* Design and brand Master Pages utilizing Server Controls, User Controls, Validation controls, and CSS
* Experience in Test Environment Setup and Test Infrastructure Development in both Manual and Automation
* Experience in data object models like Language-Integrated Query (LINQ) and Entity Data frame work to retrieve and modify data and developed entity data framework services
* Extensive experience in designing & normalization of relational database, creating complex database queries using SQL queries, Stored Procedures, Functions, Views, Indexes and Triggers in SQL Server 2014/2012/2008/2005
* Involved in Performance tuning of complex SQL Queries & PL/SQL Code
* Extensive experience with T-SQL in constructing Triggers, Tables, implementing stored Procedures, Functions, Views, User Profiles, Data Dictionaries and Data Integrity
* Hands on experience in preparing Test plans, Test cases, Automated Tests and Test Data. And executing the same
* Worked under Test Driven Design and Development
* Strong knowledge at UML standards and in preparing Case, Class, Sequence and Activity Diagrams.
* Have knowledge in designing rich interactive WPF applications in XAML using Expression Blend and MS Visual Studio
* Exposure in solving and debugging problems using Firebug, Fiddler, Developer Tools
* Have interacted with database using Entity Framework
* Experience in Manual and Automation Testing along with NUnit Testing
* Have Experience in using Crystal Reports 2008 and SSRS
* Excellent knowledge of generating reports with integration and reporting services as SSIS, SSRS
* Have knowledge in working with Amazon Web Services, Google Clouds
* Have knowledge and experience in development of applications for hosting in Azure
* Strong experience in Object Oriented Programming (OOP) and methodologies
* Team player with excellent communication and written skills with exemplary analytical and problem-solving skills
* Task-oriented and committed to deliver work products within the established timelines

**Technical skills:**

**Programming Languages:** C#.net, VB.net, C++, SQL T-SQL, VB 5 & 6

**.Net Technologies:** .Net Framework 4.5, ADO.Net, ASP.Net, MVC 4/5, Web API, AJAX, LINQ, WPF, Web Services, Entity Frameworks, Web Forms, Windows Services, JavaScript, jQuery, JSON, Node JS, Angular, Bootstrap, OOP

**Mark-up Languages:** XML, CSS3, HTML5, DHTML, XAML, KML

**Database Servers:** SQL Server, MySQL, MS Access

**Database Tools:** SQL Enterprise Manager, ADO, RDBMS, Data modeling and Access (relational & non-relational), Data Structure SQL Profiler, Query Analyzer, Security Manager, Service Manager, SSIS, SSRS, SQL Reporting Service, Crystal Report

**IDE/Utilities:** Visual Studio .Net 2015/2013/2012/2008/2005/2003, Visual Web DeveloperExpress, Eclipse, SQL Management Studio, Android Studio

**Platforms:** Windows, Android, Linux (Ubuntu), UNIX

**Education:**

Master of Computer Science from University of Southern California in Los Angeles, CA, 2018

Bachelor of Science Computer Engineer from Islamic Azad University in Tehran/Iran, 1999

**Professional Experience:**

**University of Southern California, Los Angeles, CA May 2017 – May 2018**

**Projects**

**Responsibilities:**

* Research in Search Engines, Web Crawling, Solr, Autocomplete in search textbox
* Created inverted index by using Hadoop cluster and set up Google cloud account and implementation
* Developed projects in kernel and warmup in Unix system with Unix command and implement in C include link list, multithread, deadlock, mutex tests
* Developed projects in SQL, webservices, API

**Environment**: C++, C#, MS SQL, Unix, API, Google cloud, Bootstrap, Java, Python, Node, HTML, CSS, Bit Bucket, Multi-threading, OOP and multi-tiered architectures, oAuth

**Balance Public Relations, Inc. , Los Angeles, CA Jan 2017 – Apr 2017**

**Farm workers Web/Mobile Application**

Tested and was quality focal point of farm workers application. Inform farmers about the heat level at their work area and educate them on how to prevent health risks caused by excessive heat. The core capability is Register farm worker with basic profile, contact details, farm location, etc.; Send periodic weather notifications to the registered contact number  
**Responsibilities**:

* Using C#.Net, SQL, ASP.Net, Azure in back-end.
* Using Node, JSON, HTML, CSS, Bootstrap, Angular 2 in front-end.
* Designed Database and performed security administration in Azure database service
* Using Win book to Use to prioritize win conditions with the client
* Using Draw.IO to create all diagrams used in our reports
* Using Microsoft Project to create a project plan
* Using Bitly API used to shorten links on demand
* Involved in reviewing existing application for enhancements and bug fixing and developed Proof of concepts using MVC5, jQuery, JSON, Ajax, JavaScript and HTML5, CSS3, Git, JIRA
* Designed, developed SOA Restful Web Services using WCF Services with .Net, C#.Net and Unit tested with MS Unit Framework, C#.Net
* Hands on experience in developing, debugging multi-tier applications using C#, ASP.Net, MVC5, T-SQL, WebAPI
* Accessing SQL Server 2008 to fetch the reference data to both the applications and SQL server 2012 with Entity Framework
* Deployment Support in Multiple Environments
* Develop reusable components
* Developed WCF services, Azure web role and Worker roles
* Managed data according high-volume SMS notification, and using Nexmo with SMS API tools and open Weather API
* Farmers’ profiles in California state and then adding other state
* Allocate database for optimum performance and cost.
* Managed solution release build and deployment in Azure server
* Designed and Developed Project by Agile methodology

**The Link of project documents:**

[**https://greenbay.usc.edu/csci577/fall2016/projects/team09/Spring.html**](https://greenbay.usc.edu/csci577/fall2016/projects/team09/Spring.html)

**Environment**: C#, .NET Framework 4.5, ASP.NET, MVC, AngularJS, Bootstrap, Java Script, CSS, HTML5, IIS, jQuery, JSON, Bootstrap, MS SQL Server, Database schema, Stored Procedures, ETL, T-SQL, SSIS, SSRS, Restful API web Services, GitHub, Agile, JIRA, Azure, Node JS, API text, Agile development practices, Multi-threading, Data Normalization, Data Modeling, Query Optimization, UX/UI design, Backbone, Cloud services, OOP and multi-tiered architectures, AWS, ASP.net Web API, oAuth

**ADAM, San Diego, CA Aug 2016 – Dec 2016**

**Fuppy android app.**

Tested and was quality focal point of fuppy App. The part of the Fuppy module to be developed is the mobile application for users to adopt a pet animal. The main aim of this project is to portray Fuppy in a new foreground and provide easy access with better user experience through a mobile platform. The mobile application is open only to the user’s side of the market that is looking for a medium to adopt a pet. The application focuses only on registered users of age group 18 and above. The main modules of the application are authentication, search engine system and appointment system.

**Responsibilities**:

* Using Android Studio in coding, development for android program
* Using Data source, AWS and cloud services
* Using JSON and Ajax
* Development and design project according Agile methodology
* Prepare reports and project improvement by JIRA
* Using GitHub to improve coding and testing

**The projects document links is:**

**https://greenbay.usc.edu/csci577/fall2016/projects/team07/**

**Environment**: Android Studio, JSON, SQL, Agile, Multi-threading, Data Normalization, Data Modeling, Query Optimization, JIRA, Agile, GitHub, UX/UI design, Cloud services, AWS, oauth

**American Chartered Title & Integrated Loan Services, Oviedo, Florida Jul 2015 – Sep 2015**

**.Net developer/UI Developer**

Prepare government reports that included charts, bullet point, description related to contract by customers.

**Responsibilities***:*

* Made reports by Crystal Report and make front-end as required by client.
* Developed VB .net and executed in Microsoft Visual Studio 2013
* Involved in Software development life cycle (SDLC) of application from design phase to implementation phase, testing, Deployment and maintenance phase
* Used LINQ to SQL provider to query SQL Server databases as well as SQL Server Compact databases
* Developed ASP.NET User Controls adding component reusability
* Made reports according data in SQL server management studio, executed query and stored procedure in reports
* Executed reports according data fetch from SQL server management studio

**Environment**: Crystal Report, VB.NET Framework 4.5, C#, ASP.NET, MVC Framework, JavaScript, CSS, HTML5, IIS, jQuery, AJAX, HTML, CSS, XML, MS SQL Server, Database schema, Stored Procedures, ETL, T-SQL, SSIS, SSRS, Agile

**CPI Geologic & Engineering Consulting, Los Angeles, Ca Oct 2012 – May 2015**

**.Net Developer/ Active Directory/Developer**

Prepared specific programs in geology calculation, made charts, Reports, small programs in geo works and boring log. Work on accounting programs and prepared win/web form.

**Responsibilities***:*

* Made Web /windows programs with .net, HTML, CSS, JavaScript and Use FTP to share project in web and IIS
* Developed user interface (GUI) using C#, ASP.NET, HTML, CSS, AJAX, JSON, jQuery
* Executed programs such as Excel, Word Report Template and QuickBooks
* Developed and deployed the application using Agile/Scrum methodology
* Developed the application using WPF to create an interactive native client GUI and designed the application based on MVVM design pattern
* Developed the web pages using ASP.NET, WebAPI, HTML, and CSS for styling the Web pages
* Developed custom web application module with ASP.NET, MVC and C # and integrated with the portal sites.
* Incorporated XAML User Controls, Resource Dictionaries to effectively reduce the redundancy
* Extensively used ASP.Net MVC architecture for the Web application design to have the application layers loosely coupled
* Designed and developed Web Pages using ASP.NET, C#.NET, HTML, JavaScript, CSS and server controls
* Applied code first approach of database design performed extensive data modeling tasks to model the tables in the database
* Involved, working on database scripts, Store Procedures, View, Indexes and Functions in SQL server
* Utilized and worked on TFS Source/Version control Tool for source control, bug tracking, document management and continuous project integration
* Prepared test cases for all the modules and performed unit and integration testing
* Used agile methodology(SCRUM) for the development
* Responsible and performing up to the business user expectation in all aspect of project development.
* Generated PDF Documents from the new version of the MS Word Documents using the Adobe Acrobat Distiller / Reader/ VB.NET
* Implemented geo program such as CPT logs and programmed in Boring logs
* Helped in Accounting program, managed it, made small programs with .net or HTML, CSS
* Made charts, built reports and development with SQL Reporting Service
* Helped in user administration and Microsoft Active Directory, helped to maintain user roles and activity.
* Made small programs to manage geo works and boring logs

**Environment**: C#, .NET Framework 4.5, ASP.NET, Java Script, CSS, HTML5, IIS, jQuery, jQuery UI plugins, SQL, SQL Reporting Service, Excel, QuickBooks, CPT Logs, Office, Angular, UX/UI design, Data Modeling, Query Optimization, RDBMS, Data Structure, ASP.Net Web API

**Safir Ertebatat Parsian, Tehran, Iran Feb 2005 –May 2011**

**.Net Developer /Designer/Programmer (Back-End & Front-End)**

Designed, Developed, Coding, maintenance of projects in Win/Web forms including website of home service, membership, magazine subscriber, attorney and Doctor’s office, also Win-Forms program in doctor’s office, nutrition. Developed accounting system, and built training Demo.

**Responsibilities**:

* Designed and built website for Pasargadae Home Service with C# .Net 2005, SQL 2005, HTML and CSS, also OOP and multithread programming in C#.net, in addition UI/UX design, Data Modeling, Data Structure, Query optimization
* Built medical training including asthma, heart disease, and pregnancy for University of Tehran by Demo Builder on CD
* Developed the part of accounting program to SQL 2005 and generated Query, stored procedure, function, forms and report
* Migrated doctor’s office program from Access to C#. Net and SQL by Visual Studio 2005 in windows application, in addition UI/UX design, Data Modeling, Data Structure, Query optimization
* Designed and built web pages for attorney website with VB .net 2003, SQL, HTML, CSS and ASP, and Data Modeling, Data Structure
* Built doctor’s office program for health organization, and built property program with Microsoft Access 2003, and Data Modeling, Query Optimization, RDBMS, Data Structure
* Built Nutrition program for Doctor’s office with Access and Visual Basic 5.0, and built reports by Crystal Report, also Data structure and data modeling
* Built PCSafir website, membership and magazine subscriber with VB.net, SQL, ASP, Flash, HTML and CSS, also UI/UX design
* Built my website by C# .net, SQL, jQuery, JavaScript, HTML, CSS, and extra website by WordPress and MySQL until 2016, in addition UI/UX design

**Environment**: C#.NET, VB .NET Framework 3.5, ASP.NET, Java Script, CSS, HTML5, IIS, jQuery, jQuery UI plugins, MS SQL Server, Database schema, Stored Procedures, SSIS, SSRS, RDBMS, UML, Crystal Report, Microsoft office, Access, Data Modeling, Query Optimization, RDBMS, Data Structure, algorithms, OOP and multi-tiered architectures

**Payam Pardazeshgar Tehran, Tehran, Iran Sep 2002 – Jan 2005**

**.Net Developer /SQL Developer / UML**

**Responsibilities:**

* Worked on design, coding, migrate data, Reporting of Dentistry program.
* Maintaining of storage and training programs.
* Design and coding and implantation of Psychiatry Doctor’s Office.
* Developed webform of intranet energy program.
* Designed dental system by UML, transferred data from Access to SQL server in the new server, and migrated dentistry
* Program from DAO to ADO
* Expertise ADO.NET concurrency, synchronization and communication and data protection. Multithread programming in ADO and update database in SQL according optimistic concurrency code, also use asynchronous method to handle in read, write and Copy and method to prevent block
* Prepare forms, reports, and optimized coding, and worked with end user to implement in 100 unit of dentistry, also work with Microsoft Active Directory
* Maintained storage and training programs with Microsoft Access by added new queries, forms and reports
* Built all parts including designing, coding and implementing of psychiatry doctor’s office program in Microsoft Access, in addition UI/UX design, Data Modeling, Data Structure, Query optimization
* Developed web pages of intranet with SQL and VB.Net, and built web pages for Research Branch with HTML, CSS and ASP

**Environment**: VB .NET, .NET Framework 2.5, ASP.NET, CSS, HTML, IIS, MS SQL Server, Database schema, Stored Procedures, Crystal Report, Data Modeling, Query Optimization, RDBMS, Data Structure, UI/UX design, UX/UI design, OOP and multi-tiered architectures

**NarmRiz Aram, Tehran, Iran Jan 2000 – Feb 2002**

**Designer/ Programmer (Access, Visual Basic)**

* Design, Develop and maintain of pharmacy program and accounting programs, also make a general accounting program.
* Developed & maintained pharmacy program with new forms and reports with Visual Basic 5.0 and Crystal Report
* Developed forms and reports, and migrated from Visual Basic 5.0 to Visual Basic 6.0 in accounting program

**Environment**: VB 5, VB 6, API, Access, Data Normalization, Data Modeling, Query Optimization, RDBMS, Data Structure

**Family Planning Association (fpa/iri), Tehran, Iran Jan 1999 – Sep 2005**

**Microsoft Access Developer/ Visual Basic Programmer**

**Responsibilities:**

* Designed and developed Programs of membership include add new member and all personal information, contact number, education, and searching, and reporting.
* Made payment program for bank account Check/Cash information, searching and reporting.
* Prepare working hours program, and calculate payroll. Make programs of budget with add/edit of detail, search of project and reporting.
* Designed and programmed membership subscriber, magazine subscriber, payment program, employee working hours’ program
* And budget program with Access and Visual Basic, and also design cards for international events with Photoshop

**Environment**: VB5, VB6, Access, Data Normalization, Data Modeling, Query Optimization, RDBMS, UX/UI design

**Academic Projects**

**Drug information application Jul 1999 – Dec 1999**

* Made general medicine information include name, medicine group, description, side effect, disease related and medical dictionary, also searching and filtering of information.
* Developed and designed drug information using Access 97 and Visual Basic 5.0, and then developed to SQL and VB.Net. Designed table, Query and DBMS, then migrated data to SQL in local and web, and perform security administration

**Environment**: VB5, Access, RDBMS, SQL, VB.Net, Data Normalization, Data Modeling, Query Optimization, UX/UI design