GARY ZHANG

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SUMMARY

- **Over 5 years of experience** in the IT industry with extensive skill in designing and developing **Desktop**, **Mobile**, **API** and **Web based applications** in complete SDLC architecture of Internet/Intranet, Client/Server Applications.
- Extensive work experience in developing Desktop/Mobile/Web Service based applications using **Microsoft .NET Framework technologies** such as **Windows Form**, **Windows Service**, **UWP**, **WPF**, **Xamarin**, **ASP.NET Core**, **Web API**, **Entity Framework** and **SQL Server**.
- Extensive experience with **.Net Framework 4.0 - 4.8**, **.NET CORE 1.0 - 3.0** and actively involved in **SOLID design principles** and unit testing.
- Extensive experience with **MVVM**, **MVC**, **RESTful Api** Architecture Design Patterns.
- Strong understanding of **C#**, **LINQ**, **Visual Basic**, **XMAL** and **SQL**.
- Extensive experience with reporting tools like **Crystal Report** and **GrapeCity C1 Report**.
- Experience of client-side web technologies like **HTML5**, **CSS3**, **Bootstrap**, **JavaScript** and **REACT**.
- Extensive experience with **SQL Server 2012/2014/2016/2017/2019**, **Redgate ReadyRoll** and **DbUp** Database development, Database DevOps and strong database knowledge.
- Extensively worked on **Stored Procedures**, **Functions**, **Triggers**, **Joins**, and **Views** using **Microsoft SQL Server**.
- Deployed applications on cloud technologies using **Azure** and **AWS**.
- Excellent Unit Testing, trouble shooting and documentation skills using **MSTest**, **Visual Studio**, **Visual Studio Code**, **Postman**, and **Swagger**.
- Experience in **Agile (Scrum)** and **TDD (Test Driven Development) methodology**.
- Experience in **Source Control** and **DevOps tools** using **Azure DevOps**, **Git**, **VSTS** and **TFS**.

WORK EXPERIENCE

EFC Systems, Inc. Brentwood, TN, USA   08.2017 - now
Full Stack Developer

ERP Applications on Desktop/Mobile/Tablet/Web Service Integration/Windows Service multi-platforms Enterprise Resource Planning applications for agriculture businesses.

- Developing, implementing and maintaining a **windows desktop, service application**: MerchantAg and MerchantSRV, primarily developed in **.NET 4.8** and **Microsoft SQL Server 2017**.
- Developing, implementing and maintaining an **Android**, **iOS** and **UWP** mobile application: MagMobile, developed in **Xamarin 5.0.0** and **Asp.Net WebApi 5.2.7**.
- Developing, implementing and maintaining an **UWP** application: MagExpress, developed in **UWP 1.21.0** and **Entity Framework Core 1.1.1**.
- Developing, implementing and maintaining **public, internal APIs and APIs for third party integrations**, primarily developed in **Asp.Net Core 2.0.2**.
- Designing and Building **Windwos Forms**, **mobile UI** and **Xaml Forms** using **infragistics Ultimate UI for Windows Forms Xamarin Forms** and **WPF** as UI layer/view.
- Creating business logic, DTOs using **C#**, **LINQ** and **SQL**.
- Responsible in developing **Sql repositories**, **Queries**, **Stored Procedures** and **Indexes** for database transactions on **SQL Server 2019**.
- Expert in creating reports using **Crystal Reports** and **GrapeCity C1 Report**.
- In charge of the documentation and decoration of all public APIs within the organization using **Swagger** following **OpenAPI 3.0 Specification**.
- Familiar with **ReadyRoll** and **DbUp** for database development and deployment.

- Following TDD development process with writing test cases first and creating **Unit Tests** using **MSTest**.
- Using **Azure Devops**, **Microsoft TestFlight** and **Git** for **Continuous Integration**, building and releasing process.
- Working under **Scrum** team environment with sprint planning, daily stand up, efforts estimation, functional design, functional review and retrospective meetings during every **Sprint**, strictly following **Agile** mythology.

Marlabs Inc. Piscataway, NJ, USA   12.2016 - 08.2017
Full Stack .NET Developer

Loan Management System
An online web portal for customers to view their loan.
- Participated in the development and implementation of the power web application primarily developed in **ASP.NET 4.5** and **React 15.3.0**.
- Designing and Building **RESTful Web Services** with **ASP.NET Web API 2** hosted by **IIS 8.0**.
- Developing **Controllers**, **Models**, **DTOs** and **Business Logic** using C#.
- Involved in front end development using **React 15.3.0**, **HTML5**, **CSS3**, **Bootstrap 3** and **JavaScript**.
- Responsible in developing **Queries**, **Stored Procedures**, **Views** and **Indexes** using **MS SQL** on **SQL Server 2014**.
- Involved in deploying the content Cloud platform on **AWS** using **EC2**, **S3**, **CloudFront**, **Route 53**, **Certificate Manager**, **AWS Lambda** and **API Gateway**.
- Working under TDD environment and **Unit Testing** using **NUnit**.
- **Continuous Integration**, building and release process using **TFS 2013**.
- Active role in trouble shooting using **Postman**.
- Performed **production support** and **trouble shooting**, including website/portal monitoring and maintenance while following **Agile Methodology** to produce high quality software and satisfying the customers.
- Using **Google Visualization API** creating the **Data Visualization**, Mapping, and Real-Time Visualization.

Dealfar LLC. Haslett, MI, USA   05.2016 - 12.2016
.NET Developer

Insurance Service System
An online insurance web portal
- Developed **Razor views** with strongly typed **view models**, helpers and **partial views** using **ASP.NET MVC 4.0**, **CSS3**, **HTML5** and **C#**.
- Implemented **CRUD** functionalities with **MS SQL** in ASP.NET MVC 5.2.
- Created the data access layer and data transfer objects using **C#** and **LINQ**.
- Created **SQL queries**, **Stored Procedures**, **Views**, and **Triggers** and in SQL.
- Provided secure login functionality by implementing **.NET Form-based Authentication** and Role Based Security that handles login checking for the manger/employee of a particular department or the administrator so that the user can update the proper information, day-by-day activities.
- Followed **Agile Methodology** which involves daily Scrum meetings and Sprint meetings (planning, Review, Retro) to meet deadlines and expectations, programming using **TDD** process and **continuous integration** using the **TFS 2013**.

EDUCATION

New Jersey Institute of Technology, Newark, NJ, USA   09.2014-05.2016
- MASTER OF SCIENCE IN COMPUTER SCIENCE, GPA 3.80/4.00.

Southwest University, Chongqing, China   09.2010-06.2014
- BACHELOR OF ENGINEERING IN ELECTRONIC SCIENCE AND TECHNOLOGY, GPA 3.20/4.00.