

469-425-3376

L A K S H M I D H A R R E D D Y A V U T H U

Clarence.x@tachyontech.com

Sr Software Developer

Gilbert, AZ 85296

# PROFESSIONAL SUMMARY

Multi years of experience developing web applications in **Microsoft .NET environment**

## using Web API, MVC, C#, ASP.NET, .NET Core, Azure DevOps, ADO.NET, LINQ,

**Web forms, MS SQL Server**.

Strong Experience in **C#** programming and **Object Oriented Design** & Programming (OOPS) including **Encapsulation**, **Inheritance**, **Polymorphism**, **Abstraction**, **Exceptional handling**, **Generic Collections**, **Extension methods**, **Lambda Expressions**, **Asynchronous programming**, and **Multithreading**.

Develop **Image Processing algorithms** for **Optical Character Recognition** to verify and validate receipt data and for duplicate/fraudulent entry detection.

Good Experience in writing **reusable libraries** using **object-oriented** programming concepts.

Good Experience in working with Client side technologies such as **HTML5**, **CSS3**, **JavaScript** and **jQuery**, **Blazor**.

Rich experience in MVC Web application working with **Model View Controller** (MVC), **Razor**, **Layouts**, **Partial views**, **Validations**, **Data Annotations**, **Third party Authentications** (OAuth), **Filters**, and **Authorizations**.

Proficient in working with **Collections** such as **List**, **Dictionary**, **Queue**, **Stack**. Experienced in **reflection**, **LateBinding**, **Dynamic types** and **attribute-based programming**.

Use **statistical Analysis**, and implement **predictive models** to create scalable solutions for business problems

Improved application performance by using **Caching technique**.

Good experience in **Exceptional Handling** and **Design Patter**s for delivering reliable and efficient code.

Strong experiences in **Entity framework**; Worked with **LINQ to Object**, **LINQ to SQL**

and **LINQ to XML**.

Migrated on prem sites to Azure cloud and setup **Azure CI/CD** pipelines using **YAML**

scripts.

Experience in **MS Transact-SQL** using **SQL Server 2014/2012/2008** with tools such as

## MS SQL Server Management Studio.

Good experience in writing **Stored Procedures**, **User Defined Functions**, **Triggers**, **Views** and **Joins** to retrieve data from the database.

Experience in **Version Control** system using **Team Foundation Server** (TFS), **SVN** &

**Git**.

Excel at writing **unit tests** using **NUnit**, **xUnit** and **Moq** frameworks.

Strong verbal & written communication skills with the ability to effectively communicate with peers and non-technical personnel.

Ability to adapt to a dynamic work environment. A proactive team player with proven interpersonal and coordination skills.

Excellent interpersonal skills, proven team player with an analytical bent to problem solving and delivering under high stress environment.

# EDUCATION

**Master’s (August 2014 – May 2016)**

Electrical Engineering from California State University GPA – 3.4(on a scale of 4.0)

* **Bachelors In Technology (2010 – 2014)**

Electronics and Communication Engineering from Dr. B V Raju Institute of Technology Graduation status – First Class With Distinction

# TECHNICAL SKILLS

**Programming Languages**

C, C#, JavaScript, T-SQL and Matlab

**Microsoft Technologies**

ASP.NET, ADO.NET, Entity framework, .NET Core, Web API, LINQ, REST, Web Forms, Azure Devops

**Frameworks**

.NET Framework 4.5/4.8, Entity Framework 6/5, MVC 5/4,

.Net Core, Blazor, xUnit, NUnit, Moq, ASP.Net, Docker

**Web Development Technologies & Scripting**

HTML5, CSS3, jQuery, Web API, JSON, AJAX, XML,

React, Bootstrap, Blazor, Design Patterns, DSA

**Development Environment & Tools**

Visual Studio, Xcode , Dream Weaver, VS Code, Git Kraken, Postman, Resharper

**Database Technologies** MS SQL Server, MySQL, Entity Framework, ADO.NET,

Dapper, LINQ

**Methodologies** Agile, Waterfall

**Web Servers** Internet Information server (IIS)

**Version Control Tools** Team Foundation Server(TFS), GitHub, SVN, Azure

Repos

# PROFESSIONAL EXPERIENCE

## Prizelogic Inc (Contract) September 2022 - Current Location: Phoenix, AZ

**Role:** Senior Software Engineer

As a **.NET developer** for an interactive development agency, I've built dozens of promotional websites for many leading brands **NFL Rewards loyalty site, Pepsi, Disney, Taco bell, Miller Coors, Microsoft, Hershey’s, Amazon,** and **many more**) in a very fast-paced build environment with strict go-live dates. Core skill set revolves around **ASP.NET MVC, .NET Core, Web API, C#, SQL Server, JavaScript, jQuery, React, and several 3rd party APIs**. **Responsibilities:**

Operate as the **technical lead** in designing, building, and maintaining digital engagement promotional websites and supporting tooling for leading multi-national brands ranging from snacks and beverages to home electronics.

Involved in requirement analysis and application designing sessions with business analysts and team members to outline the proposed IT solution.

Design/adapt **algorithms** for **fraud mitigation** and **identity verification**. Also worked with 3rd party **API’s** for **fraud mitigation** like **Lexis Nexis** and **USPS** address verification etc.

Used **REST methodology** using **HTTP Handlers** in developing Web Service replication interface for setting up data feeds for content transportation in

Worked with client-side technologies like **Razor, JQuery** and **JavaScript** to design responsive UI and started to learn **React** to implement in upcoming projects.

Developing automated processes/pipelines for code builds and deployments using **Azure Dev ops.**

Extensively worked with **stored procedures** to award prizes, entries and save user actions on the site.

Developed **RESTful APIs** to facilitate communication between frontend and backend systems.

Enhanced application reliability by implementing **Polly** for **fault tolerance**.

Created and consumed ASP.NET **web services** and implemented REST full Web API/WCF services for the service layer.

Developed a Dashboard **Microservices** which sends summary related data to User Interface which is present on **React** web application.

## Wells Fargo (Contract) December 2021 - September 2022 Location: Phoenix, AZ

**Role**: Sr Software Engineer

## Responsibilities:

Design, code, test, debug, and document for **Auto Payments department** applications. Modernize **legacy applications** using new technologies like **.Net Core, Blazor, Kendo UI and Web API**.

Moved on prem applications to **Azure** and setup **CI/CD** pipelines for automatic deployment.

Implemented several **API backend service end points** to support **front end apps**. Implemented **Polly resilience policies** to handle transient faults and retries.

Implemented **SQL queries**, **triggers**, and **Stored Procedures** as per the design and development related requirements of the project.

Developing **unit testcases** using **C#**, **.Net** with **MS-UnitTest** tool and mocking functionalities to validate module behavior.

Using **jQuery** and **JavaScript** for implementing client-side validations at controller level.

## Prizelogic Inc (Full Time) August 2017 - December 2021 Location: Phoenix, AZ

**Role:** Software Engineer

As a **.NET developer** for an interactive development agency, I've built dozens of promotional websites for many leading brands **NFL Rewards loyalty site, Pepsi, Disney, Taco bell, Miller Coors, Microsoft, Hershey’s, Amazon,** and **many more**) in a very fast-paced build environment with strict go-live dates. Core skill set revolves around **ASP.NET MVC, .NET Core, Web API, C#, SQL Server, JavaScript, jQuery, React, and several 3rd party APIs**.

## Responsibilities:

Operate as the software engineer in designing, building, and maintaining digital engagement promotional websites and supporting tooling for leading multi-national brands ranging from snacks and beverages to home electronics.

Worked with several 3rd party client **API’s** like **Shoppable, Gigya, Epsilon** etc. Design/adapt **algorithms** for **fraud mitigation** and **identity verification**. Also worked with 3rd party **API’s** for **fraud mitigation** like **Lexis Nexis** and **USPS** address verification etc.

Worked on **MagicLink authentication** for Rogers- Ambassadors application on **.net Core**.

Develop **image processing algorithms** for **Optical Character Recognition** to verify and validate receipt data and for duplicate/fraudulent entry detection.

Extensively worked with **stored procedures** to award prizes, and entries and save user actions on the site..

created **action filters** and **Exception filters** to implement **REST API.**

Worked with **ORM tools Entity framework** code first for creating objects from database table.

Created **RESTFUL services** using **Web API**, built **HTTP services**, and formatted responses using **Web API media type formatter** to **JSON**.

## Vensoft Inc November 2016 - August 2017 Location: Phoenix, AZ

**Role:** Software Engineer

## Responsibilities:

Gathering information from Business Analysts regarding the business requirements and reviewing them to create the design specifications and functional requirements documents.

Implemented **Database First EDMX** and used **LINQ** to entities to massage the data and optimize the query expressions.

## Used Lambda Expressions, Anonymous methods and Element operators

extensively in **LINQ**.

**Rebuilt** existing classic **ASP web application** into **ASP.NET MVC environment** using **C#** as code behind. Created different business classes and interfaces using **object- oriented concepts** like Encapsulation, Abstraction, Polymorphism, Inheritance and Generic Collections.

Using the concepts of **image processing**, developed a challenging feature which enables the camp owners to upload/edit videos and pictures to make the camp appealing to parents.

Used **ASP.NET framework** to support the use of Dependency Injection to inject objects into a class, instead of relying on the class to create the object itself.

Implemented **Authentication**, **Authorization**, and E**xception handling** in **ASP.NET**.

## Web Prodigies July 2012 - June 2014 Location: Hyderabad, India

**Role:** .Net Developer

## Responsibilities:

Analyzing and reviewing the business requirements, design document, and functional requirements document.

Use **Agile Methodologies** for regular adaption to change requirements and continuous delivery of useful and working software.

Updated the existing applications with **custom fields** like **rewards number**, **refer a friend**, **Promotional codes**, etc using **HTML5, CSS3,** and **JavaScript**. Implemented **custom validations** and **interactive UI** for newly implemented data entry fields.

Modified the database design **schema** to incorporate the changes in the forms by creating extra **tables** and implementing 1 to many **relations** between the tables.

Designed and developed a new **ASP.NET** application with **integrated custom** and **user controls.**

Review senior developer’s code to learn advanced, efficient and best coding standards.