**Om Kaushal**

**Summary**

* **.NET Full Stack Web Applications** Developer with extensive experience in the client-side and server-side development of web applications, seamless execution of **Object-Oriented Designs (OOD), Web API, Entity Framework, Onion Architecture, N-Tier Architecture, MVC5, Software Design Patterns, Web Services** based on **SDLC** (Software Development Life Cycle), and **Relational Database Design.**
* Detailed comprehension of client-side development technologies with varied and rich UI features, user-friendly design techniques using **Angular4+, JavaScript, jQuery, TypeScript, AJAX, HTML5, CSS3, Bootstrap 3&4** and several other third-party libraries in the front-end.
* Impeccable knowledge of client-side **Single Page Applications (SPA)** development using **Angular4+, Angular Material, Angular CLI, Angular Ngx Bootstrap, and Bulma IO.**
* Technical maven of Angular Features including, but not limited to**, Components, Modules, Services, Directives, Pipes, Dependency Injection and Routing techniques.**
* Detailed understanding of features **like ASP.NET MVC Razor View Engine, Layout View, Partial View, Strongly Typed View, AutoMapper, HTML Helpers and Filters.**
* Professional Experience in developing web applications using **ASP.NET Web API, Web Services, and Windows Communication Foundation (WCF).**
* Worked with the consumption of **RESTful WebAPI** data using Angular Services.
* Adept in effectuating **CRUD operations** through **HTTP Methods in Web API.**
* Familiar with **WCF WebServices** implementing **SOAP Protocol**.
* Ample experience in **ADO.NET, Entity Framework 6, LINQ, and MVC 5.**
* Experienced in using Database-First Approach and **Code-First Approach** for implementing **Entity Framework** projects.
* Expertise in **Database design, Normalization, Views, Stored Procedure, User-Defined Functions, and Temp Tables** in **MS SQL Server and PostgreSQL.**
* Skilled expertise in writing complex **Sub Queries, Indexes, Triggers, and Joins.**
* Experienced in using **Postman** to stimulate and debug Web API.
* Proficient in conducting unit test in Angular using **Jasmine and Karma.**
* Effective at using both **Agile (Scrum)** and **Waterfall SDLC** methodologies in the practical software development.
* Provided Source Control and Version Control using **Microsoft Azure DevOps, Heroku, Jira, and Git.**
* Possesses impeccable written and verbal communication skills along with excellent interpersonal skills, time management strategies, strong desire to learn new concepts and experience in working under high pressure with several departments and colleagues.

Technical skills

Programming Languages: Microsoft C#, T-SQL

Web: Angular4+, TypeScript, JavaScript, jQuery, CSS3, Bootstrap3&4, HTML5, AJAX

.NET: ASP.NET MVC 5, Web API, Web Service, WCF, Entity Framework, LINQ, ADO.NET

Database: MS SQL Server 2017, PostgreSQL

IDE: Visual Studio, Visual Studio Code, Atom.

Others: Azure DevOps, JIRA, Git, Heroku, JSON, Restful, Postman, Cisco Packet Tracer, Wireshark.

Professional Experience

Triad Media Solutions, Inc. Hoboken, NJ

## Full Stack .NET Software Developer(Angular 6+, .NET Web API) December 2018 - Present

Triad utilizes proprietary technology and effective marketing strategies towards becoming the enrollment marketing company that schools turn to for products, services and results. From trade schools to universities, TriAd has helped hundreds of learning institutions reach their targets and expand their enrollment. The primary purpose of this project was to develop a web application for consumers to access and modify student information and help develop strategies to expand their products.

**Roles and Responsibilities:**

Developed front-end website architecture with **Angular 6+** and back-end website applications using **Web API**.

Generated and served Angular Projects using **Angular CLI**.

Modulated web pages with **Angular Modules, Components, Directives, and Services** to command and manipulate numerous functions and elements.

Ensured responsiveness of application using **HTML 5, CSS 3, Bootstrap 4, Angular, Typescript, Angular ngx Bootstrap, and Bulma IO**.

Instantiated **Reactive Forms** using **Angular Material** to amass information provided by the user.

Employed Angular **ngx-pagination, ngx-filter, ngx-orderBy** functions to implement pagination, search and sort functionalities respectively using **pipes**.

Assured front-end **Validations** by using **ng-required, ng-pattern, ng-minlength and ng-maxlength**, and **States** using **ng-valid, ng-touched, ng-dirty** as well as back-end validations using **Data Annotations**.

Utilized **Observable** to bind with asynchronized data in the **Web API**.

Implemented back-end using **Web API**, to provide **CRUD** services by creating unique APIs for Angular through **HTTP Get, Post, Put, Delete** and several other HTTP methods.

Altered and retrieved the data between **Angular** and **Web API** using **RESTful services** and employing **JSON** as the primary data format for **Content-Negotiation**.

Generated context and models for the database using **Entity Framework Database First Approach**.

Established communication between Web API and Angular using **Cross Origin Resource Sharing (CORS)** all the while maintaining security using token-based authorization by implementing **OWIN**.

Implemented **HTTP Response Exceptions** and **Exception Filters** to manage the numerous exceptions in **ASP.NET Web API**.

Used **Postman** to cross-check Web API functionality and to guarantee appropriate responses based on the requests.

Implemented **Jasmine and Karma** to check functionality over all edge cases.

Aggregated, updated and merged the individual work for the project using **Git** and managed project progress using **Azure DevOps**.

**Environment:** C#, Angular 6+, Bootstrap 4, HTML 5, CSS 3, Web API, Microsoft SQL Server 2017, Visual Studio 2017, ASP.NET, Web API, Entity Framework 6, LINQ, Postman, Git, Azure DevOps, Jasmine, and Karma.

**TenEleven Group East Amherst, NY**

## Full Stack .NET Software Developer(Angular 4+, .NET Web API)November 2017 – November 2018

TenEleven Group is a software and services company, focused on providing solutions for health and human services agencies to manage their end to end business process from intake to outcomes. The main objective of this project was to develop a user-friendly task scheduling tool for employees to sort and list daily events.

**Roles and Responsibilities:**

Developed the application using **Web API** for back end services and **Angular 4** for User Interaction purposes.

Executed information sharing between component class and template via several **Data Binding** techniques like **String Interpolation, Event Binding, Property Binding, and Two-Way Binding** using **ngModel.**

Experienced in **manipulating the Document Object Model (DOM)** using **Structural Directives** as well as improvised the appearance of the template using **Attribute Directives and Pipes**.

Generated **modals and pop-up boxes** using **Angular Material** to display additional information about customers and resources.

Employed Angular Material features like **Paginator, Filter, and Sort** to implement pagination, search and sorting features at the front-end.

Implemented **page-navigation and tab-based navigation** using **Routing** services provided by Angular.

Enhanced user interaction by utilizing **Reactive Forms, Validations, Router Module, and Exception Handling** to create a responsive login page.

Maintained inter-page security using **Authentication, Authorization, Route Guards, and Interceptor Services.**

Seasoned in utilizing **Content Negotiation** to proffer the appropriate response based on the request made by the client and establish meaningful communication channel between the server and the client.

Assured **Lazy Loading of feature modules** thus minimizing the inceptive size of the application.

Implemented **Cross Origin Resource Sharing** to establish communication between **Web API** and front-end **Angular.**

Provided support for numerous action-method calls using **RESTful Web API principles**.

Ensured backend level **Data Integrity** using various **Data Annotation** attributes.

Secured the access to the data inside the database by using the **Repository Pattern** as an **abstraction** over the **Data Access Layer.**

Performed queries upon the database in the **C#** environment by writing **LINQ Lambda Expressions** Queries.

Experienced in handling **Authentication** using **Authentication and Authorization Filters, and Exceptions** using **Exception Filter** and **Handle Error Action Filter** in Web API.

Utilized **Postman** to cross-check Web API functionality and to guarantee appropriate responses based on the requests.

Implemented **Jasmine and Karma** to unit test specific components and observe the code efficiency.

Incorporated **Git, GitHub, and Heroku** for version control and merging code, and **JIRA** for project management.

**Environment:** C#, Angular 4, Bootstrap 4, HTML 5, CSS 3, Web API, Visual Studio 2017, Microsoft SQL Server 2017, ASP.NET, Web API, Entity Framework 6, LINQ, TSQL, Postman, Git, GitHub, Jira, Jasmine and Karma.

Marcel Digital Chicago, IL

## Full Stack .NET Software Developer(ASP.NET MVC 5)August 2016 – October 2017

Marcel Digital is a digital marketing and web development agency that brands trust to help them attract, inform and engage their target audiences at a deeper level to drive more leads and sales. The project was focused towards developing an online marketplace for building products.

**Roles and Responsibilities:**

Created the application using **ASP.NET MVC 5** (Model-View-Controller) web platform in association with **Razor View Engine**.

Embellished Web Pages using **AJAX, HTML 5, jQuery, and JavaScript** to help enable **customization of page layout and styles.**

Generated distinct **View Models** and used **HTML Helpers** to manage **static text or input values** residing in different views and displayed the results with a strongly typed view.

Generated **Partial Views** and **Layout Pages** for reusability and consistency in structure of application respectively, and utilized **jQuery and AJAX** calls for creating pop ups.

Generated **data models in MVC** using the **Entity Framework Database First Approach**, incorporated **dependency injection** using **Entity Framework, and used LINQ Lambda Expressions** to query upon the data Objects.

Boosted the performance of the application by implementing **Explicit Loading** on the entities in the database.

Isolated the **Data Access Layer** using the **Repository Pattern**, thus centralizing the task of data access and establishing uniform access protocols and logic.

Utilized **Entity Framework, Generic Repository and Unit of Work** pattern in order to **implement Onion Architecture** and avoid inter-layer dependencies.

Utilized **AutoMapper** to reduce coding time and provide convenience during development.

Implemented navigation amongst the pages using **Attribute-based Routing**.

Effectuated **Action Filters** for **authorization, exception handling, and output cache**, and implemented **Error Handler and Data Annotation** for login page to validate input value.

Verified functionality and logic by **unit testing** each action method and controllers using **N-Unit in C#**

Collaborated with other team members and used **JIRA** for project management.

Disciplined in **Agile Scrum methodologies** to procure specifications from business partners and delivered feasible product developments in two-week sprints with daily formal reporting.

**Environment:** C#, Visual Studio 2015, ASP.NET MVC 5, Entity Framework 6, MS SQL Server 2014, JavaScript, jQuery, LINQ, TSQL, AutoMapper, AJAX, Bootstrap 3, HTML 5, CSS 3, Git, Agile, JIRA, and N-Unit.

Bluebolt Chicago, IL

## Full Stack .NET Software Developer(ASP.NET MVC 5)July 2015 – July 2016

BlueBolt is a full-service Digital Commerce, Content, and Enterprise Search agency, focused on delivering exceptional B2B & B2C experiences for leading manufacturers, distributors, and retailers. The project was focused towards developing a mobile order tracking system.

**Roles and Responsibilities:**

Designed an application using **ASP.NET MVC 5** (Model-View-Controller) web platform and used **Razor View Engine** to render web pages.

Customized page layout and styles using **HTML 5, AJAX, jQuery, and JavaScript** to produce interactive web pages.

**Improved security, enabled loose coupling, and eliminated logic processing** from views using **View Models**.

Utilized properties like **ViewData, ViewBag,** and **TempData** to pass data from **Controllers to Views** and **Model Binding and Name Properties** for transferring data from **Views to Controllers**.

Enforced **Validation** rules for input values to ensure consistency amongst the properties of model class.

Adopted **Authentication and Authorization Filters** to validate the subject identity and securely protect resources.

Constructed MVC data models using the **Database First Approach** and queried upon the data source using **LINQ Lambda Expressions**.

Employed **Generic Repository** for reusability and **Unit of Work** for atomicity in **Entity Framework** for implementing **Onion Architecture** and securing access to the domain model.

Provided **Loose Coupling** between the data source and the business logic by **Isolating the Data Access Layer.**

Implemented **Lazy Loading** to load data on demand and improved efficiency and performance of the application.

Implemented **Conventional-Based Routing** for traversing amongst the features of the web application.

Executed exception handling using **Exception Filters** and **Handle Error Filter** of Action Filters to provide meaningful explanation of the error to the user.

Corroborated the functionality of each element by using **N-Unit** in **C#** to perform unit testing.

Contributed significantly in each step of the project and used **JIRA** for project management.

Experienced in **Agile methodologies** to exhibit progress and provide project transparency.

**Environment:** C#, Visual Studio 2013 & 2015, ASP.NET MVC 5, Entity Framework 6, MS SQL Server 2014, JavaScript, jQuery, AJAX, LINQ, TSQL, Bootstrap 3, HTML 5, CSS 3, Agile, Git, JIRA, and N-Unit.

Thatcher Technology Group Naperville, IL

## Full Stack .NET Software Developer (ASP.NET MVC 5, ADO.NET)December 2014 – June 2015

Thatcher Technology Group provides the direct selling of industry's most configurable sales performance management software. The primary focus of this project was towards developing a web application for recording students’ information and tracking their progress.

**Roles and Responsibilities:**

Developed application using **ASP.NET MVC 5** (Model-View-Controller) web platform and used **Razor View Engine** to render web pages.

Created responsive web pages using **jQuery, JavaScript, Bootstrap, HTML 5 and AJAX.**

Merged numerous **Partial Views** to provide the illusion of Single Page in a multi-page application.

Applied **Form Collection and HTML Helpers** to collect data from the user in the view and pass it to the controller, and used **ViewBag, ViewMessage, and TempData** to pass data from controller to the view.

Utilized **3-tier architecture** to **modularize the layers** and conform the **single-responsibility principle**.

Employed **ADO.NET** to **connect to the database** using **connectionStrings** methods, **execute SQL queries and stored procedures** using **sqlCommands** of the commands class, and **retrieve data** from the database using **DataSet and DataAdapter** classes.

Utilized **Authentication Filters** to validate login credentials and grant access to resources and imposed **Validations** upon user inputs.

Executed **Attribute-Based Routing** for navigating between the pages of the application.

Integrated **Authorization Filters for Implementing Role-Based Authorizations** and **Handle Error Filter** of Action Filters along with **Custom Filters** to handle all the runtime errors that could be generated.

Validated the functionality of each element by using **N-Unit** in **C#**.

Utilized **JIRA** for source control and collaboration with fellow developers.

Proficient in **Agile methodologies** for quality sustenance throughout the project and client satisfaction at the termination of the project.

**Environment:** C#, Visual Studio 2013, ASP.NET MVC 5, MS SQL Server 2012, JavaScript, jQuery, AJAX, ADO.NET, Bootstrap 3, HTML 5, CSS 3, Git, JIRA, Agile, and N-Unit.

Education

Bachelor of Science, Computer Engineering, Illinois Institute of Technology, Chicago, IL.