

JASON NELSON

Greater NYC Area

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Full Stack MEAN/MERN/.NET Developer

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Professional Summary:

- Around **3** years of IT experience in all phases of **Software Development Life Cycle (SDLC)** such as Planning, Analysis, Design, Implementation, Testing and Maintenance of Web Based applications in the **education, agriscience, and real estate domain**.
- Experience in **ASP.NET, C#, ASP.NET Web API, MVC, ExpressJS, NodeJS, AngularJS+, JQuery, Javascript, Typescript, HTML, CSS, SASS, SQL Server, Wordpress, MongoDB, Integration and Unit Testing, ADO.NET, LINQ, AWS**.
- Experienced in using the **MVC** and **Repository Design Patterns**. Used **Query** and **Method Syntax** for **LINQ queries** on the **Entity Framework** with **Microsoft's SQL Server**.
- Experience in Implementing **Angular Modules, Pipes, Components, Services, Routing, and Route Guards** for secure access to applications and data.
- Experience in creating **RESTFUL APIs** using **ExpressJS** and working with **NPM Modules**.
- Experience in developing **REST APIs** using **ASP.NET Web API** and consuming the data from them in front end frameworks like **Angular**.
- Experience making **Single Page Applications(SPA)** using **Core Angular** and **React Technologies** for better performance and user experience.
- Experience in **Object Oriented Analysis and Design** and **Object Oriented Development**.
- Experience in creating **Authentication and Authorization** modules using **JSON Web Tokens** and **ASP.NET identity**.
- Experience in using **Wordpress** to maintain fully functional websites for clients.
- Worked with **Strongly typed views, Razor view engine, HTMLHelpers, partial views** and **layout views**.
- Working experience of data access technologies like **ADO.NET** and **Entity framework**. Familiar with implementing **Database first** and **Code first approach** in building databases using **Entity Framework**.
- Proficient in writing **Dynamic SQL Queries** in **Microsoft SQL Server/Management Studio (SSMS)**.
- Worked under **SDLC** methodologies such as **SCRUM(Agile)** and used tools like **JIRA** and **Azure** to deliver production ready applications.
- Experience with using **Version Control** systems such as **Github, Azure Repos, TFS** (Team Foundation Server).

TECHNICAL SKILLS:

Languages	C#, Javascript, Typescript, HTML/CSS/SASS, SQL, NoSQL
.NET Technologies	MVC, Web API, Entity Framework, ASP.NET, LINQ, ADO.NET
Databases	SQL Server, MongoDB, MySql, Aurora,

Web Technologies	Javascript, JQuery, Angular 2+, Bootstrap, NodeJS, JSON Web Tokens, PassportJs, IIS, Azure, Knex
Development Tools	MS Visual Studio, MS Visual Studio Code, Travis CI, Puppeteer
Version Control	Github, Gitlab, Team Foundation Server (TFS), Azure Repos

PROFESSIONAL EXPERIENCE

Berkadia, Remote

June 2022-Present

Role: Remote Full Stack Engineer

Description: Berkadia is a leader in the commercial real estate industry, offering a robust suite of services to our multifamily and commercial property clients. With their variety of applications and teams, they create a unified experience to invest, create mortgage loans, and manage properties. My team managed an application named “MB Leads”, listing and managing potential clients for mortgage bankers. We also managed the refinancing calculator.

Responsibilities:

- Made an **SPA** with **Angular 8+** and **Angular Material** and created the back-end with **Node JS Express**.
- Worked with **React** and **NodeJS** to create dynamic components to work together.
- Created **Routes** and worked with **HTTP Methods** with a **RESTful Node API** to be used by **Angular HTTP Methods in Services**.
- Used **Fiddler** to test and debug **Web API** functionality.
- Created and Maintained **Angular components**, and **services** to implement various functionalities and improve readability within the application.
- Used **KNEX** to query the database and a **Message Store** to track and make changes to the database.
- Consulting with developers on ways to **refactor** the code repository and **improve efficiency**.
- Made reusable components based on **Designs** made in **Figma**.
- Secured our application with **JWT tokens**.
- Implemented **Angular Client-Side Validation** using **Form Controls** inside of **Form Groups** and **Web API** server-side validation using **Data Annotation**.
- Meeting with the client representatives to further analyze the **application requirements**.
- Worked with **Git** for source code management/version control and **Azure boards** as a project management tool.

Environment: **NodeJS, ExpressJS, Angular 8, React, Typescript, Javascript, Aurora, Knex, Message Store, Visual Studio Code, Postman, Azure Repos, AGILE, Azure Boards.**

Triskelle Software Solutions, Remote

August 2020-June 2022

Role: Software Engineer

Description: Triskelle Software Solution is a company that works with various state governments to make applications that determine eligibility and track the progress of special education students and their development academically as well as mentally. With this application and the data inside, governments can create and revise plans per child to help them have the best experience possible while learning. My team managed the Iowa application named “Achieve”, tracking special education students and more but accustomed to Iowa laws regarding the matter. I’ve worked on updating multiple pages with new features as big as evaluation procedures or disciplinary systems and as small as bug tickets.

Responsibilities:

- Made an **SPA** with **Angular 8+** and **Angular Material** and created the back-end with **ASP.Net Web API**.
- Created **Routes** and worked with **HTTP Methods** with a **RESTful ASP.Net Web API** to be used by **Angular HTTP Methods in Services**.
- Used **Fiddler** to test and debug **Web API** functionality.
- Created and Maintained **Angular components**, and **services** to implement various functionalities and improve readability within the application.
- Used **LINQ** to query the database with **Lambda** expressions to access data from **Entity framework**.
- Took a **Code-First Approach** to work with the database, Using **Migrations** to track and make changes.
- Consulting with developers on ways to **refactor** the code repository and **improve efficiency**.
- Created **HTML Templates** and **PDF Outputs** powered by **Angular/ASP.Net Razor** with **Wireframes** provided by the client.
- Secured our application with **Azure Authentication** along with **ASP.Net Identity**.
- Implemented **Angular Client-Side Validation** using **Form Controls** inside of **Form Groups** and **Web API** server-side validation using **Data Annotation**.
- Meeting with the client representatives to further analyze the **application requirements** and **legal standpoints**.
- Used **SSMS** in **SQL Server** to insert, manipulate, request data, and **SQL Server Profiler** to help track performance issues and find bottleneck bugs.
- Worked with **Git** for source code management/version control and **Azure boards** as a project management tool.

Environment: **ASP.NET WEB API, Angular 8, Typescript, Javascript, MS SQL Server, SMSS, SQL Server Profiler, Visual Studio, Visual Studio, Postman, Azure Repos, AGILE, Azure Boards.**

Corteva Agriscience, Johnston , Iowa

February 2020-July 2020

Role: Mid Level Software Engineer

Description: Corteva Agriscience is the only major agriscience company completely dedicated to agriculture. Their mission is to enrich the lives of those who produce and those who consume, ensuring progress for generations to come. My team managed 14 different applications with various purposes to support the supply chain. I've implemented an asset management system within one of our applications to track our valuables during shipments. I've also implemented a filter system for our large list of shipments so users can select exactly what they want to see, based on factors like region, id, year etc. Along with my team, we worked on fixing any bugs in our applications and enhancements asked by the business.

Responsibilities:

- Involved in all phases of Software Development Life Cycle (SDLC) including Requirements gathering, Designing, Programming, Testing and Documentation of various projects.
- Built front-end **SPA** using **AngularJS** and **Angular Material** and the back-end using **ASP.NET Web API**.
- Created a **RESTful Web API** service using **ASP.NET Web API** to be consumed in the front-end by **Angular Framework**.
- Used **Postman** to test **Web API** functionality.
- Created self-contained, reusable and testable **Angular components**, and **services** to implement various functionalities in the application.

- Used short and concise **LINQ** queries with **Lambda** expressions to access data from **Entity framework**.
- Created **Angular Services** and made it custom, self-contained, reusable, and testable to **retrieve/add/update/delete data** from **Web API** through **HTTP GET/POST/PUT/DELETE** by using **Dependency Injection** to some components to **bind view template**.
- Created **Angular Pipe** and **Directives** with extensibility, reusability, testability to filter and format data presented in view template.
- Secured our application with **Azure Authentication** along with a **VPN** accessed only by employees.
- Implemented **Angular Client-Side Validation** using Template-driven(ngModel) and **Web API** server-side validation using **Data Annotation**.
- Created **Angular** feature modules to take advantage of **lazy loading** for better performance.
- Implemented Unit Test by using **Azure Build Tests** throughout the application development phase.
- Implemented the database design into **SQL Server** to be used when inserting and requesting data.
- Used **Git** for source code management and **Azure/TFS Boards** as a project management tool.

Environment: ASP.NET WEB API, AngularJS, Typescript, Javascript, MS SQL Server, SMSS, Visual Studio, Visual Code, Postman, Azure Repos, AGILE, Azure Boards/TFS.

Summitworks Technology, South Plainfield, New Jersey

September 2019-February 2020

Role: Software Engineer

Description: Summitworks provides a full range of Custom Software development and Information Technology Support Services, Product delivery & implementation, Knowledge Process Outsourcing (KPO), and Off-shore Staffing and placement solutions. My team built 2 applications, a disaster relief application with the MEAN stack and a food retail management application similar to Grubhub with ASP.NET MVC.

Responsibilities:

- Developed the applications through the whole **software development life cycle**.
- Used **ASP.NET MVC** with **Razor Views** as the foundation for an application.
- Created a **RESTful Web API** service using **Node** and the **Express Framework**.
- Used **Postman** to test the **Node** routes.
- Worked with **Entity Framework** to connect to the **SQL Server** and serve information to the **view**.
- Made **Angular Services** with **Observables** from the **RXJS library**.
- Learned the **best practices** and **SOLID** principles and how to implement them when programming.
- Secured our application with **JSON Web Tokens (JWT)** so there were no security issues.
- Implemented **server side form validation** in the **Angular components**.
- Implemented Unit Test by using **Jasmine/Travis CI** throughout the application development phase.
- Implemented the database design into **SQL Server** and **MongoDB** to be used when inserting and requesting data.
- Worked with **Git** for source code management and **Jira** as a project management tool.

Environment: ASP.NET WEB API/MVC, Angular 8, Typescript, Javascript, MS SQL Server, SMSS, MongoDB Visual Studio, Visual Code, Postman, Github, AGILE, Jira.

Etomon Inc, NYC, New York

June 2019-September 2019

Role: Back End Developer

Description: is a global education platform providing 1-on-1 alive customized high-quality lessons with no time and location limits. My team worked more on the backend and built the video chatting interface with

the Twilio API. We also implemented an emailing system for teachers and students alike. This web app was built on the MEAN stack without Angular. Etomon is similar to Udemy but the teaching is live.

Responsibilities:

- Used **HTML, SASS, MongoDB, Node**, and the **Twilio API** and the fundamentals for the application.
- Using **Node** and **Express**, we made a **Web API** to call to and serve information.
- Created **JS Documentation** for every function and variable using **JSDoc**.
- Worked with the **Mongoose ORM** to create, update, and delete documents.
- Used **AJAX** calls to talk to the **Web API**.
- Refactored most functions from **callback** functions to **async** and **await** functions.
- Used **JSON Web Tokens (JWT)** for **authentication** for users.
- Created and maintained **email templates** using **SASS, CSS**, and **HTML**.
- Implemented **Winston JS** to add more elaborate **logging** so we have more visibility on issues.
- Used **Travis CI** with **Github** to do **build tests** on every pull request and release.
- Worked with **Git** for source code management and **Jira** as a project management tool.

Environment: Node, Typescript, Javascript, MongoDB, Robo 3T, Visual Code, Postman, Github, AGILE, Jira.

EDUCATION

2021-Present

Bachelors in Computer Science - University of The People, Online University, CA, United States

2019-2021

Associates in Computer Science- University of The People, Online University, CA, United States

2019

AWS Cloud Practitioner Certification

2018-2019

Full Stack Web Development Program - Rutgers University, NJ, US