Alexander Umale

Buffalo, NY (willing to relocate) | alexander.umale@gmail.com | (716) 275-7794 | linkedin.com/in/alexanderumale

Experienced **Senior Software Engineer** with 5+ years in developing and maintaining web applications and microservices, specializing in **Angular, .NET Core**, and **Microsoft Azure**. Strong experience in leading moderately complex initiatives, contributing to large-scale strategic planning, and delivering high-quality solutions through collaborative teamwork. Expertise in both frontend and backend development, cloud infrastructure, and automated testing.

Technical Skills

- **Languages:** TypeScript, JavaScript, HTML, SCSS/CSS3, C#, SQL, PowerShell, LINQ
- **Framework/tools:** Angular, Bootstrap, Webpack, Node.JS, ASP.NET Core Web API, Entity Framework
- **Cloud/App hosting:** Microsoft Azure apps, Docker, Azure Kubernetes (AKS), Nginx
- **Databases:** MS SQL Server, Redis, IndexedDB
- **Testing & Automation:** Jasmine, Karma, Selenium
- **Dev Tools:** VS Code, Visual Studio 2022, Git, GitHub, Azure DevOps

Work Experience

Willis Towers Watson, Buffalo, NY | **Senior Software Engineer**   **Apr 2023 – Present**
- Designed and implemented a WCAG-compliant profile page, leveraging **Angular Material** for better UI components.
- Spearheaded the technical upgrade roadmap for migrating a legacy **AngularJS Hybrid** app to **Angular 14**, improving performance, security and scalability.
- Led the modernization and maintenance of critical microservices using **.NET Core** and **JWT authentication**, streamlining integration with internal services for consumer identity management.
- Streamlined the release process by designing a **YAML pipeline** for **Azure DevOps** and **AKS**, automating deployments.
- Developed document processing workflows using **Azure Document Intelligence**, reducing manual workload.

Willis Towers Watson, Buffalo, NY | **Lead Software Engineer**   **Apr 2022 – Mar 2023**
- Led a project to create dynamic forms in **Angular** using **Reactive Forms**, enabling configurable form fields and validation based on client-specific requirements. The form data enables quoting system to specialize quotes.
- Upgraded the app's routing from legacy AngularJS to **state-based routing** using **UI-Router**, modernizing navigation and performance.

Willis Towers Watson, Buffalo, NY | **Software Engineer**   **Aug 2019 – Mar 2022**
- Contributed to migrating a legacy **AngularJS** application to a **hybrid AngularJS-Angular** app, converting essential services and components. Used Webpack and Babel loader to build AngularJS.
- Enhanced a critical workflow system by enabling parallel workflows for eligibility-based benefits changes, using a priority-based rule system for timely benefit enrollment.
- Updated the **localization system** using **IndexedDB** to improve support for dynamic, multilingual content delivery.

Academics

State University of New York at Buffalo, Buffalo, NY   **Aug 2017 – Feb 2019**
    Master of Science in Computer Science and Engineering

Rajiv Gandhi Technical University, Bhopal, India   **Aug 2011 – May 2015**
    Bachelor of Engineering (Hons.) in Information Technology