IVAN VOVCHUK

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| **PROFILE**  Front-End Software Engineer with 6 years of software development experience working with advanced visualization and artificial intelligence solutions. Focused on architecting developing and maintaining sophisticated healthcare-focused web-based AI result explorer. | phone: +1 111-111-1111  e-mail: [ooooooo@gmail.com](mailto:ooooooo@gmail.com) |

# SKILLS

Angular TypeScript JavaScript Angular Material Web APIs

RxJS

three.js Karma/Jasmine ASP.NET Core REST

MS SQL

Entity Framework Microservices

Git GitLab Jenkins Docker

Agile/Scrum

# WORK EXPERIENCE

## Software Engineer February 2019 - Present

**TeraRecon, Inc.**, Raleigh-Durham-Chapel Hill Area, NC

* Implemented contour pushing algorithm that moved the application to the next level of advanced polyline manipulations.
* Implemented control point interpolation that enriched Eureka Explorer with powerful feature and increased sales attractiveness.
* Architect, design, and implement a number of key components like study panel, search panel, copy to clipboard functionality, support for enhanced theming, REST API for microservice architecture.
* *Technologies*: Angular 8, Web APIs, TypeScript, JavaScript, HTML, CSS, LESS, ASP.NET Core, C#, Entity Framework, MS SQL, Microservices, Docker, Agile/Scrum, Karma/Jasmine.

## Full Stack Software Engineer October 2015 – January 2019

**AMC Bridge LLC**, Waltham, MA (Khmelnytskyi office, Ukraine)

* Mainly frontend and some backend development for running fluid and air simulations and run desktop software offerings through VNC in the browser.
* Implemented several key features: flow for setting up multiple simulations with different parameters, geometry viewers with parts comparison, new UI stuff based on Angular 5.
* Cloud solution creation increased revenue twice as engineers became able to run simulations remotely in the cloud instead of just desktop installation.
* Technical mentorship in a project with one junior developer in creating an Autodesk Inventor add-in to open

Inventor’s assemblies in Web VR via browser.

* *Technologies*: JavaScript, AngularJS, Angular 5, three.js, TypeScript, Groovy, Grails.

## .NET Full Stack Developer March 2015 – October 2015

**AMC Bridge LLC**, Waltham, MA (Khmelnytskyi office, Ukraine)

* Implemented a web service for tracking employees’ tasks and work time.
* Back-and front-end development.
* *Technologies*: JavaScript, ASP.NET, MS SQL.

# EDUCATION

**Khmelnytskyi National University**, Khmelnytskyi, Ukraine **September 2016 – June 2018**

MS in Computer Science

**Ternopil State Medical University**, Ternopil, Ukraine **September 2001 – June 2007**

MS in Pharmacology