

Travis Stark

Centreville, VA
Open to relocation

stark.travis@outlook.com
(813) 362-8598
travisstark.github.io

EXPERIENCE

• Skyline Software Systems

Herndon, VA

Software Engineer

October 2020 - Present

- Created a measurement tool for a CesiumJS based GIS software that interacted with a server via WebSockets and FlatBuffers. Additionally, I created a main menu page, updated/standardized the UI, and added touch controls and a responsive layout to menu pages.
- Created a gazetteer to add search capability to existing desktop and web-based GIS software using .NET, OpenStreetMap/GeoNames data, and PostGIS. Created and an accompanying data loading tool to populate a PostGIS database with the OSM/GeoNames data.
- Created a tool for that saves and displays WMS imagery and 3DTile layers added by the user. This allow users to easily switch between or remove imagery layers.
- Created a service that generates reports of data usage on a server hosted GIS software.
- Technologies used: C#, .NET (multiple runtimes), PostgreSQL with PostGIS, Javascript, CesiumJS, Python, FlatBuffers, Redmine, Subversion.

• WebstaurantStore

Tampa, FL

Junior Software Engineer

January 2019 - October 2020

- Converted product search functionalities to a .NET Core and Elasticsearch API from a legacy ColdFusion codebase.
- Improved search accuracy by creating and modifying Elasticsearch queries using the NEST high-level client within .NET.
- Ensured API reliability under production traffic load by adding compression to the Redis cache to reduce storage needed for common searches.
- Organized code deployments via Azure DevOps and Octopus Deploy and pushed updates to an API client NuGet package.
- Mentored new team members to help them become acquainted with the project.
- Technologies used: C#, .NET Core, Elasticsearch, SQL, Redis, Azure DevOps, Pact, Grafana, Sentry, Java.

• Greenway Health

Tampa, FL

Associate Software Engineer/Systems Engineer

June 2017 - January 2019

- Lead developer and administrator of the Oracle CPQ sales quoting system.
- Collaborated with Sales, Finance, and other internal departments to add features or resolve issues in CPQ.
- Managed QA and deployment of enhancements/fixes to the Oracle CPQ production environment.
- Trained a new team member in Oracle CPQ development and the business process workflow.
- Managed integrations between Oracle CPQ and Salesforce using web services.

• Net Synergy Virtual Solutions

Tampa, FL

Programmer/Front-End Developer

July 2016 - June 2017

- Created and maintained CoffeeScript software for automated web scraping.
- Designed and developed internal dashboards and external product pages.

PROJECTS

- **Washington DC Metro App:** Blazor Server application using Azure App Service and Cosmos DB. Displays the nearest stations to the user's current location and the next trains arriving at a selected station.
- **OpenStreetMap Route Planner:** C++ application using A* Search to plan the shortest path between two points on a map

SKILLS

- **Languages:** C#, TypeScript, Javascript, SQL, C++, Java
- **Technologies:** .NET Core, Elasticsearch, Kibana, Redis, React, Git, Azure Cosmos DB, Azure DevOps, Blazor

COURSEWORK

- **C++ Nanodegree Program** (Udacity) - Currently Enrolled

EDUCATION

- **University of Florida** Tampa, FL
Bachelor of Science in Chemical Engineering Aug. 2011 – May. 2016
- **Hong Kong University of Science and Technology** Hong Kong
Exchange Program - Chemical Engineering Aug. 2015 – Dec. 2015

PRESENTING

- **St. Pete .NET** St. Petersburg, FL
Azure Cosmos DB and .NET Core September 2020
 - Demonstrated how to set up a machine learning project using ML.NET and gave an overview of prediction models.
 - Provided several examples with various data sets (sentiment analysis, price prediction, and product recommendation).
- **Tampa Code Camp** Tampa, FL
Intro to ML.NET October 2019
 - Demonstrated how to set up a machine learning project using ML.NET and gave an overview of prediction models.
 - Provided several examples with various data sets (sentiment analysis, price prediction, and product recommendation).
- **St. Pete .NET** St. Petersburg, FL
Intro to ML.NET July 2019