**Aspire Project**

Aspire is a multi-project solution designed to illustrate full-stack development processes and frameworks to include .net Core web APIs, UX design, mobile and web front-end and CICD processes. The business requirements are as follows:

* Medical appointment application that allows clients to schedule services with a provider and receive pertinent notifications and reminders.
* Allow management of the providers, appointments and patients from an administration dashboard.
* UI Design with Adobe XD.
* MongoDb.
* API service layers containerized with CICD processes in place.
* Multiple Web Front-End UI implementations for client and administrative parts of the application. Containerized with CICD processes in place.
* Multiple Mobile Font-End UI implementations of the client application with CICD processes in place.

Iteration 1:

* MongoDb
* .Net Core WebAPI
* Containerize
* Azure Devops

Iteration 2:

* Adobe XD Design (Mobile)
* Xamarin.Forms Mobile Implementation
* Azure Devops

Iteration 3:

* Adobe XD Design (Web)
* (Blazor) WebAssembly Implementation
* Containerize
* Azure Devops

Iteration 4:

* React Native Mobile Implementation
* Azure Devops

Iteration 5:

* Angular Web Implementation
* Containerize
* Azure Devops

Resources:

* MongoDb Atlas
  + <https://cloud.mongodb.com>
* Containerizing an Asp.Net Core 3.0 Web API
  + <https://www.youtube.com/watch?v=Po9jQS7WBDQ>
* Deploying an Asp.Net Core 3.0 Web API on AKS
  + <https://www.youtube.com/watch?v=vBx7WY25fM0>
* Building a CI/CD pipeline for a containerized Asp.Net Core 3.0 Web API
  + <https://www.youtube.com/watch?v=nsG3xbIoeJo>
* React Native
  + <https://www.youtube.com/watch?v=qSRrxpdMpVc>