

Create an application or group of applications to demonstrate your skill. Points will be weighted based upon:

- Working Solution
- Good programming practices(tests, documentation, etc)
- Use of technology

So it is better to have something working and complete, solid and checked in, than showcasing a single technology that doesn't work.

Requirements:

Use the Adventureworks2017 database available from Microsoft

Collect a zip code location and time range (days)

Present to the user average dollars per transaction by zip code. Gold Plating, compare those values to the average sales

Create a service call for the client to access data – direct client to database calls are not permitted.

Solution should be presented in the form of a GITHUB repository.

Use as many of the following technologies as you think appropriate to adequately demonstrate your proficiency. Your solution can sacrifice practically in order to demonstrate a particular skill. You should not sacrifice professional programming practices.

Microsoft Stack – Visual Studio, Azure, Azure DevOps ASP.Net, ASP.Net Core, Entity Framework

SQL Server, T-SQL, Stored Procedures,CTE

Service technology (WebAPI,WCF, POX,WSDL)

UI/UX – Javascript,Angular,Bootstrap, Razor, WebApps

Languages – C#, Java,Python

Mobile – IOS/Android, Xamarin

Container Technology – Docker,Kubernetes

Other Cloud Tech – GCP, AWS