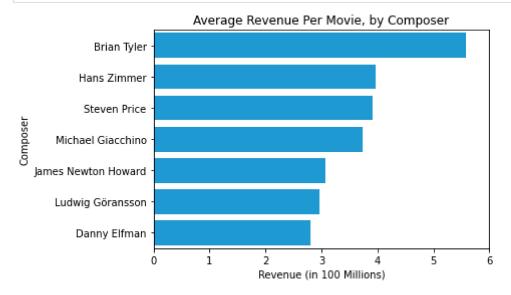
```
In [1]:
         import pandas as pd
         import numpy as np
         import matplotlib.pyplot as plt
         from matplotlib import style
         import seaborn as sns
         %matplotlib inline
         pd.options.display.float_format = '{:,.2f}'.format
         style.context('dark_background')
Out[1]: <contextlib._GeneratorContextManager at 0x7f7fa2f38df0>
In [2]:
         def VisualizeMeSenpai(filter_, num_of_movies=5, top_num=10):
             This will create a visualization using preset styling based on microsoft colors
             valid filter choices are currently:
             actor, actress, composer, writer, director
             num_of movies: minimum number of works that have been attributed to displayed talen
             top_num: dictates how many talents will be displayed in the graph output
             MIC OR = '#F25022'
             MIC GR = '#7FBA00'
             MIC BL = '#00A4EF'
             MIC YL = '#FFB900'
             MIC GY = '#737373'
             microsoft color list = [MIC OR, MIC GR, MIC BL, MIC YL, MIC GY]
             df = pd.read csv('../data/all data.csv', index col=0)
             col dict = {'movie id': 'Id',
                          'primary_title': 'MovieTitle',
                         'persons_name': 'PersonName',
                         'persons_job': 'PersonJob',
                         'new_budget_api': 'Budget',
                         'new ww revenue api': 'Revenue'}
             relevant col = list(col dict.keys())
             people df = df[relevant col].drop duplicates()
             people df.rename(columns=col dict, inplace=True)
             job filter = people df['PersonJob'] == filter
             job df = people df[job filter]
             job count df = job df.groupby('PersonName').count().reset index()
             prolific_filter = job_count_df['Id'] >= num_of_movies
             prolific_df = job_count_df[prolific_filter]
             prolific_df.sort_values('Id', ascending=False).head()
             job_usefulness_df = job_df.groupby('PersonName').mean().reset_index()
             job usefulness df.sort values('Revenue', ascending=False).head(30)
             prolific_list = list(prolific_df.PersonName)
```

In [3]: VisualizeMeSenpai('composer', 5, 7)



```
def FindMeSenpai(person, job filter=0):
In [4]:
             this function finds a single talent from the IMBD data provided
             person: name of talent as a str
             job filter: job title as a str,
                 if this argument is not added, it will print a list of all of
                     the person's roles
                 we currently support these choices for job_filter:
                     actor, actress, composer, writer, director,
             . . .
             relevant_col = ['original_title', 'persons_name', 'persons_job']
             job_list = ['actor', 'actress', 'composer', 'director', 'producer', 'writer']
             df = pd.read_csv('../data/movie_info_budget.csv', index_col=0)
             df1 = df[relevant_col]
             df2 = df1.groupby(['persons_name', 'persons_job']).count().unstack().fillna(0)
             df2['total_roles'] = df2.sum(axis=1)
             try:
                 if type(job_filter) == int:
```

```
return df2.loc[person]
else:
    return df2.loc[person][job_list.index(job_filter)]
except KeyError:
    print(f"Looks like {person} isn't in our database.")

In [5]: FindMeSenpai('David Julyan')
Looks like David Julyan isn't in our database.

In []:
```