In [1]:
```
import pandas as pd
import numpy as np
import plotly.express as px
```

In [2]:
```
%load_ext autoreload
%autoreload 2
from IPython.core.display import display, HTML
display(HTML("<style>.container { width:100% !important; }</style>"))
```

```
C:\Users\User\AppData\Local\Temp\ipykernel_18856\3509738684.py:3: DeprecationWarnin
g: Importing display from IPython.core.display is deprecated since IPython 7.14, ple
ase import from IPython display
  from IPython.core.display import display, HTML
```

In [3]:
```
n_df = pd.read_csv(r'C:\Users\User\Desktop\myGPT\data\17052023_ver1_final_2.csv', s
n_df
```

Out[3]:

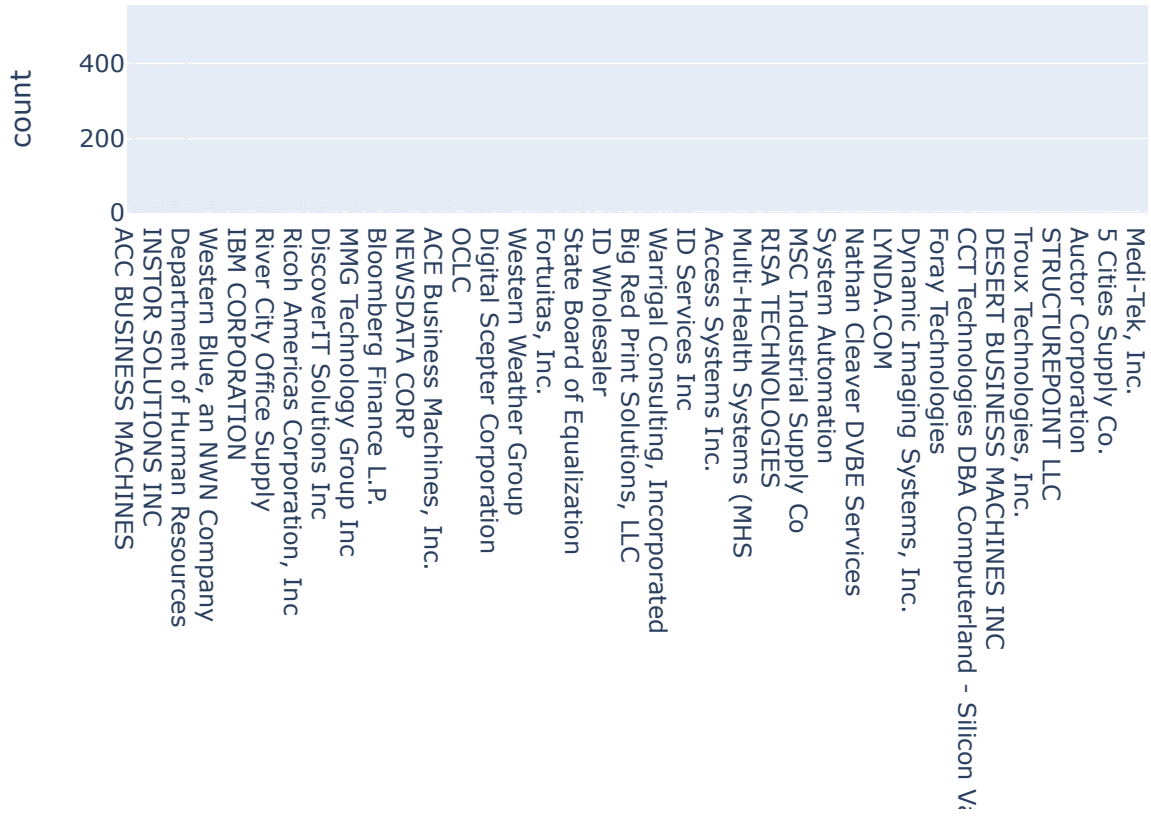
	Item	Description	Vendor Name	PO Number	PO Approver	PO Order Date	Payment
0	0580B002 - Brother 4750e Facsimile Machine	0580B002 - Brother 4750e Facsimile Machine	ACC BUSINESS MACHINES	4500171174	Sarah Johnson	2013-12-04	Net 30
1	61276 PowerBuilder Enterprise Windows X8	61276 PowerBuilder Enterprise Windows X8	Sybase, Inc. an SAP Company	BE120349	John Warren	2014-08-06	LC
2	iMac Computer	iMac Computer	JAMES E MALONEY	REQ0009540	John Warren	2013-06-12	Net 30
3	Adobe Photoshop	Adobe Photoshop	TABORDA SOLUTIONS	HD250042	Rebecca Johnson	2014-06-05	Net 60
4	Autodesk AutoCad Raster Design 2015	Autodesk AutoCad Raster Design 2015	DLT SOLUTIONS LLC	4500148174	Michael Rodriguez	2015-04-02	Net 30
...	...	...	...	...	...	...	...
4945	Zebra ZebraCare 2 Year	Zebra ZebraCare 2 Year	Statestore, Inc	4500209113	John Warren	2013-07-05	Net 60
4946	Zebra ZebraCare 2 YR	Zebra ZebraCare 2 YR	Statestore, Inc	C11E0020	Christopher Williams	2013-06-11	Net 60
4947	Zebra ZebraDesigner v 2.0 Pro License	Zebra ZebraDesigner v 2.0 Pro License	Statestore, Inc	14560097	Rebecca Johnson	2013-07-05	Net 30
4948	Zebra ZM400 Network Thermal Label Printe	Zebra ZM400 Network Thermal Label Printe	Statestore, Inc	REQ0008504	John Warren	2014-05-02	LC
4949	Zebra ZM400 Printer	Zebra ZM400 Printer	Statestore, Inc	4500258898	Kimberly Smith	2013-07-05	Net 60

4950 rows × 9 columns

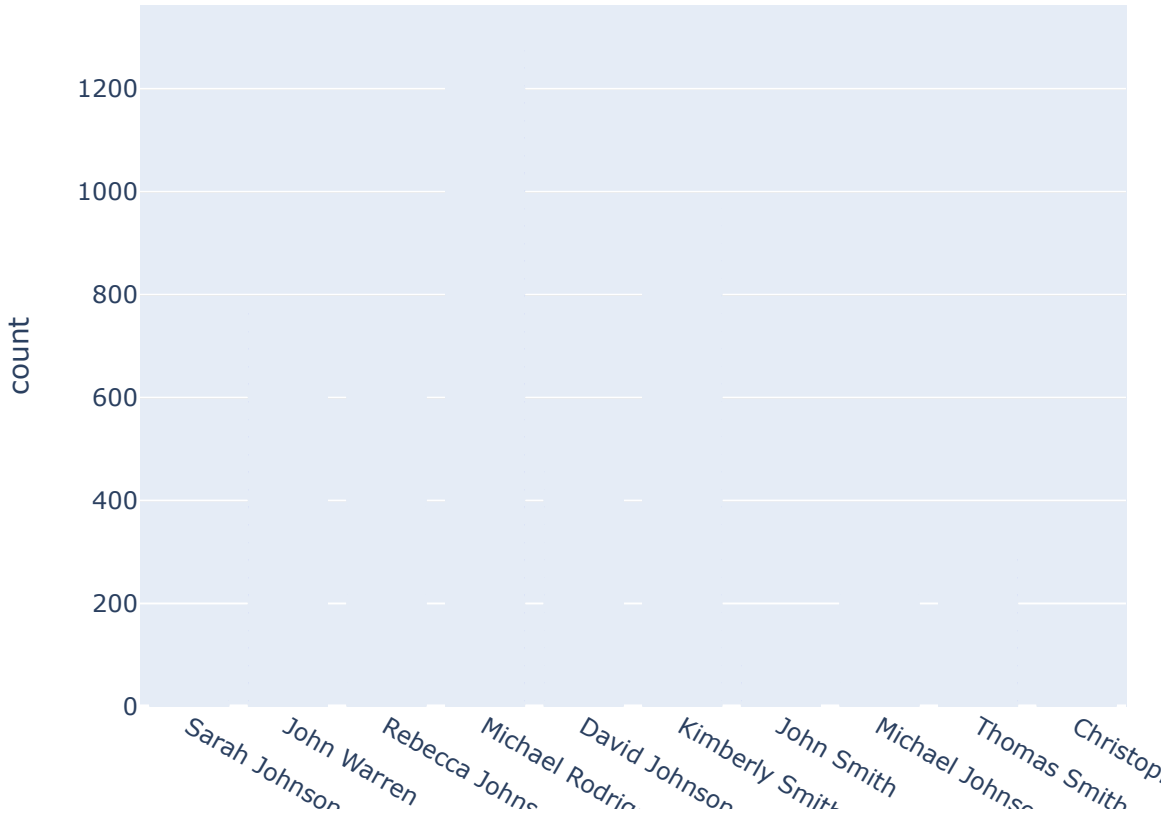
Overview

- No histogram
  - Item, Description, PO Number

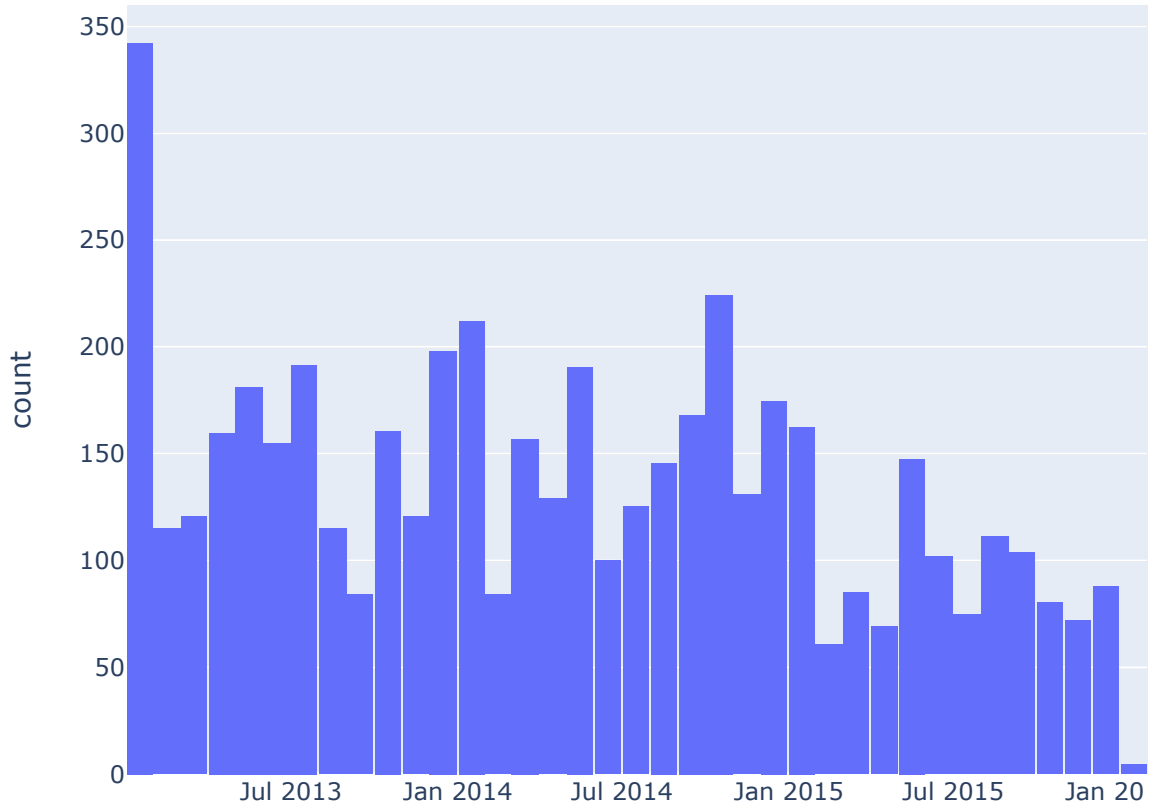
In [4]:
```
# Show top 5 only
fig = px.bar(n_df, x='Vendor Name')
fig
```



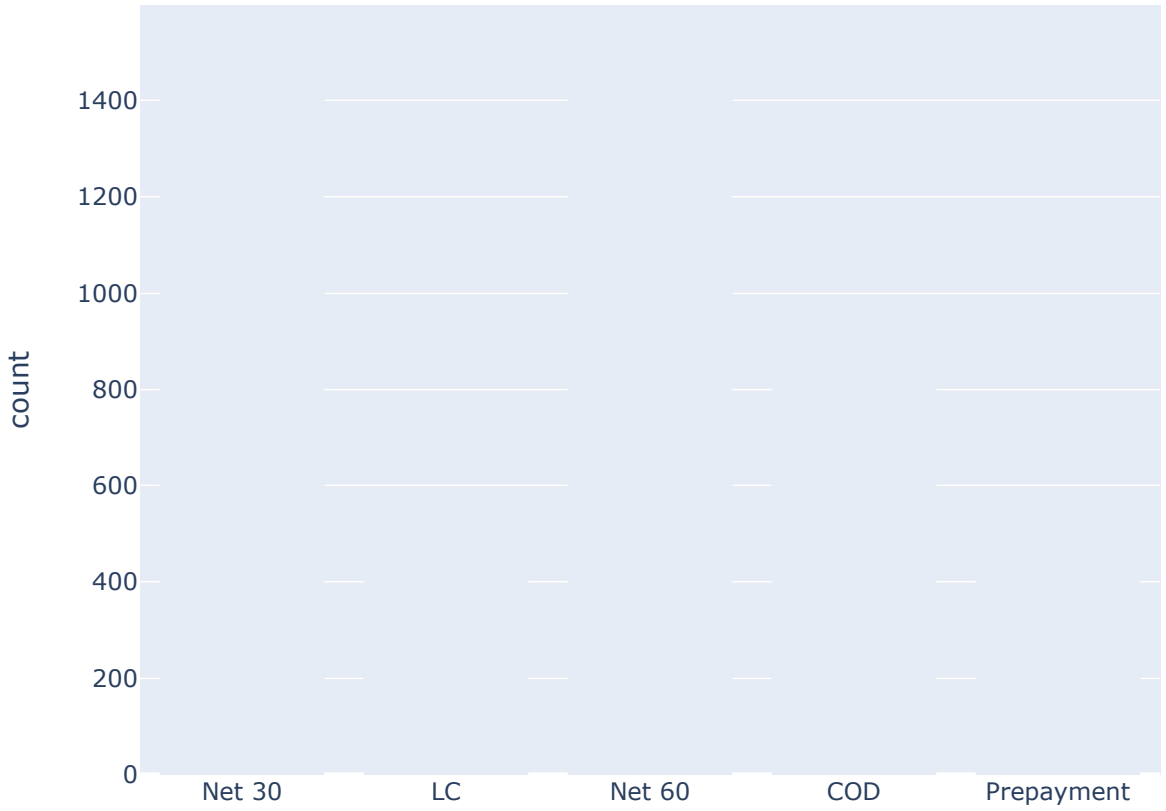
In [5]:
```
fig = px.bar(n_df, x='PO Approver')
fig
```



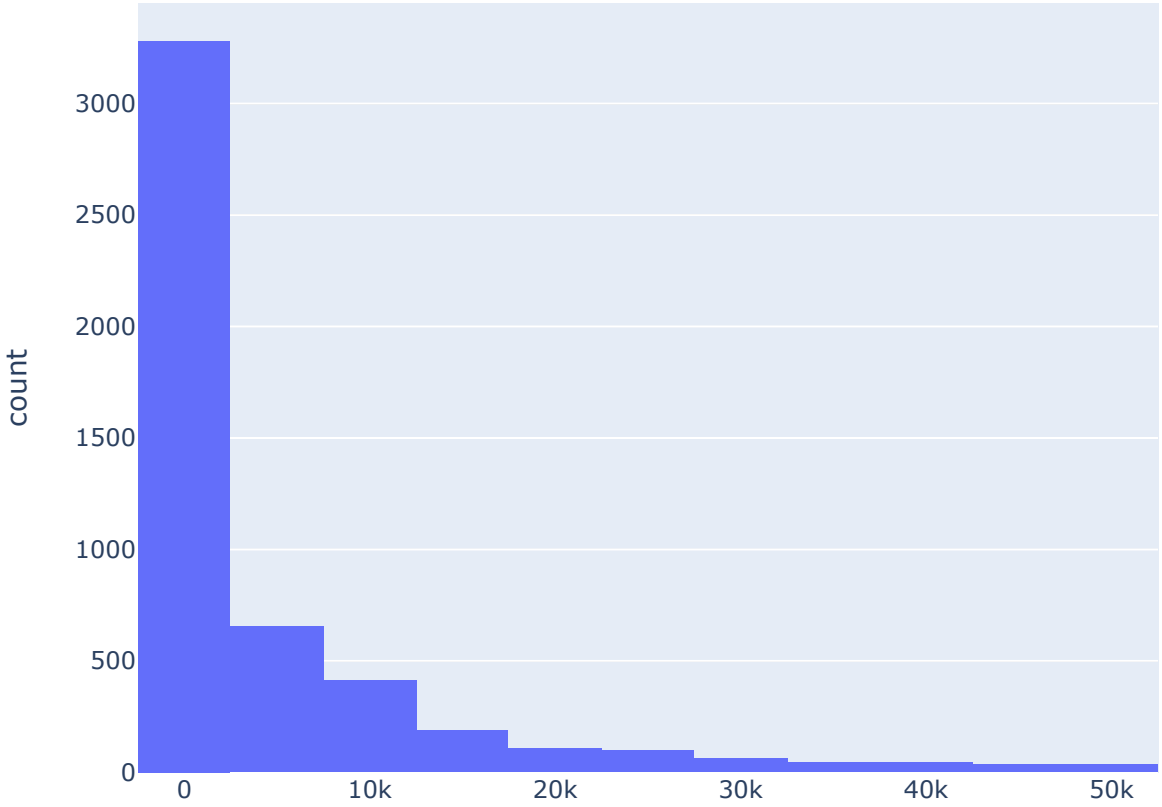
In [6]:
```
fig = px.histogram(n_df, x='PO Order Date',histfunc='count')
fig.update_xaxes(type='date')
fig
```



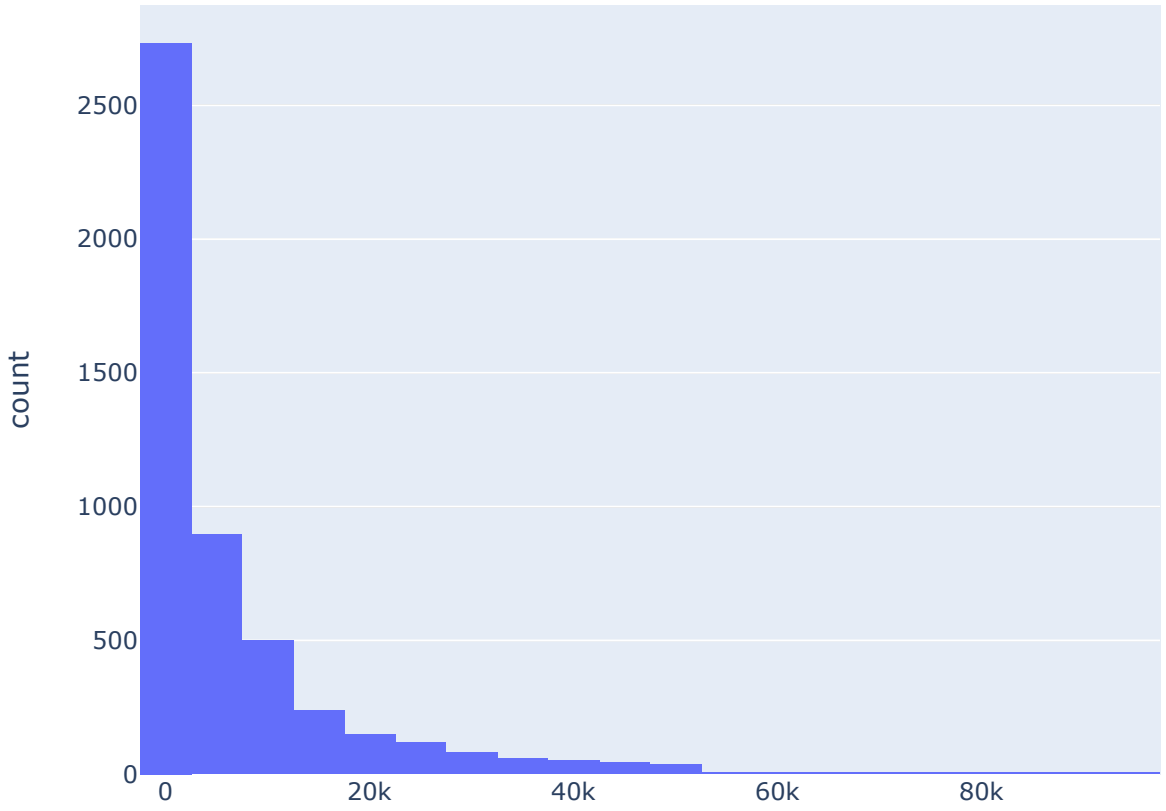
In [7]:
```
fig = px.bar(n_df, x='Payment')
fig
```



In [8]:
```
fig = px.histogram(n_df, x='Unit Price', histfunc='count', nbins=20)
fig
```



In [9]:
```
fig = px.histogram(n_df, x='Total PO Value', histfunc='count', nbins=20)
fig
```



In [ ]: