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# Personal Statement

Not long ago, I closed the books on what I hoped would be the last job I would have. The company was called Global Energy Advisory. Our CEO was a former head of utilities at the Royal Bank of Scotland and I was the founding engineer. We had a world-saving vision to help the planet by helping renewable energy producers reduce their market risk for which I built a functioning POC flagship SaaS app.

Sadly, as with most start-ups, the venture didn't last and the CEO decided she was personally better off taking her career in a different direction. To me, it was terribly jarring and though I continued on for a few months with the existing founding partners, it just didn't work without our main founder.

So why use a failed company as my main qualification? This experience of building from nothing (making an enterprise scale multi-source ETL, DWH, working alongside award-winning data scientists in Scotland, applying ML models to live market data, and getting an education in commodity market analytics) has proved immensely valuable. I went from there to a fantastic startup called ResoluteAI where I was able to apply the same skills to life science data used in clinical trials and pharmaceuticals. And of course one shouldn't discount the value of a missed shot at a dream.

While at ResoluteAI I led on initiatives integrating large datasets with ResoluteAI's data indexing and cross referencing platform, Foundation. I was part of a small team building and improving data ETL pipelines from external sources to a large ElasticSearch data store on AWS using Python, Spark, and a variety of AWS tools. The data was then used by our indexing and categorization neural net platform, written in Python, to be stored as an ElasticSearch index, and then we created ontologies indexes with a graph database to allow scientists and researchers to find specific data as well as unexpected relationships across different large datasets like IEEE publications, PubMed, US clinical trials, and patents.