Job Application Exercise

Name: Supasun Khumpraphan

Registration: 2110366

PERSONAL DETAILS

| **Name: Supasun** | **Surname: Khumpraphan** |
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| **Address: BR5/3, Bertrand Russell Tower Colchester, United Kingdom**  **Postcode: CO43SQ**  **Mobile: 07526897707**  **Email: micsupasun@gmail.com** | |
| **Position applied for: Data Scientist** | |
| **Job Ref: https://www.linkedin.com/in/supasun-khumpraphan-ba03241ab/** | |

**Education**

| **Institution: University of Essex** | **Date: January 2022** |
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| **Qualification: MSc Artificial Intelligence** | |
| **Institution: Thammasat University** | **Date: May 2015 - May 2018** |
| **Qualification bachelor of engineering in software engineering** | |

WORK HISTORY

| **Employer: Accenture** | **Date: Feb 2021 - Dec 2021** |
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| **Job title: Data Engineer** | |
| **Details:**  **• I work on data related to retail for some of the largest companies in Thailand.**  **• I work on data related to the mobile networks for some of the largest companies in Thailand.**  **• Created a low-code, near real-time enterprise big data framework using Azure Databricks.**  **• Built ELT pipeline with Azure Data Factory, replacing labor-intensive task with scheduled jobs.**  **• Use sql to create, edit, delete, add data to database in Azure including using spark,sql to manage.**  **• Collect many types of files such as deflate,parquet,csv.gz,csv,dat.gz,xml,xml.tmp,snappy. into the database() using Storage Account,Azure Databrick and Data Factory.**  **• Takes what is obtained by collecting various types of data lake files. Let's do data cleansing with python, sql, spark and go to data warehouse with same pattern database throughout the system. using Storage Account, Azure Databrick and Data Factory**  **• use python, pyspark, sql to Gather 100's of databases from the unclean data to clean data for the data scientist can continue to us** | |
| **Employer: Trinity Roots** | **Date: Jun 2019 - Mar 2020** |
| **Job title: Data Engineer** | |
| **Details:**  **Develop a coffee shop with 50 branches across Thailand By increasing productivity and increasing more customers and sales. There is some information that is not clean, for example, some information is written in Thai, some in English, which is a lot. So I made a "data lake" to do "data cleansing" and "data pipeline "to keep clean data into "Data Warehouse" to be ready to use "machine learning" and "deep learning".**  **It can do a number of things:**  **• Able to predict the product that will be sold out on which day, which will be able to order products in time and get fresh products without missing stock as well by using linear regression with XGBoost to predict**  **• Has grouped customers in each branch according to their age. If the branch has mostly older people, it will do a promotion about the coffee. However, if a branch has mostly young people, they will do promotions on cute items for that branch by using k-mean clustering, which can actually increase sales for each branch**  **• Sometimes the product stays for too long to close to expiration, so I make apriori. This algorithm helps in matching by matching the products closest to the expiration date with the ones that are most sold together and then making a promotion to buy 1 fill 1 to make it sell before it expires.**  **• I have made a lot of visual information because the customer company doesn't understand code and data. able to understand it by showing some inventories in stock, how much is the promotion product sold, when the product will be sold out, which product is sold. The most, the products that sell the most profit, the products sold the most, how much shipping costs, the product duration using data analytic comes to the rescue using tableau, power bi tools.**  **• There are some parts that still use humans in their work. it can switch to a computer to work automatically by using Alteryx tools to help.**  **• Including being able to do Elastic Search, Redis, Chatbot notification, google cloud platform as well** | |
| **Employer: Botnoi Consulting** | **Date: Jan 2018 - May 2019** |
| **Job title: Data Scientist** | |
| **Details:**  **• Develop an Artificial intelligence chatbot in Line application called BotNoi that has more than 3 million users to be more efficient and better responsive.**  **• Develop an Artificial Intelligence chatbot in a Line application called BotNoi-Weather used by more than 300,000 people to tell the weather in real-time and predict with linear regression to predict the weather 7 days in advance.**  **• build an Artificial intelligence chatbot in line, Facebook, Twitter application called BotNoi-Football that has more than 10k users to be more efficient and better responsive and real-time ball score report includes report The goal scorer, the person receiving the yellow card, the person receiving the red card, the minute the shot was fired, the minute to get the yellow card and red card.**  **• use TFITF, Dialogflow comment chatbot to respond chat in realtime**  **• use SQL(postgresql), NoSQL(MongoDB) to create and connect the database**  **• use Flask to connect Cloud Heroku and google cloud platform to collect big data and create API**  **• Respond to customer chat in realtime on Line, Facebook, and Twitter in chatbot**  **• Get to use firebase connect Dialogflow to chatbot**  **• Get to use scrape data with Selenium and Beautiful Soup to pull data realtime on the website such as scrape Pantip,Facebook, twitter**  **• Use sentiment analysis to see customer satisfaction and use bag of word to cut out only polite words, input data into dialogflow to continue talking to customers, all in python language.** | |

Why are you interested in working for us?

| This position is a position of interest. in line with its own goals The company is also worth working with. So I thought that if I came to be a part of this place Work happily and enjoy it.  The place of work is not as important as the opportunity to earn. If the company sees the ability and gives me the opportunity to work I will work to the best of my abilities. |
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SUPPORTING STATEMENT

**(Please consider the person specification/requirements for the role and outline below how you meet the criteria for the role applied for. Maximum 400 words)**

| I apply best-in-class Data Scientist and Data Engineer effectively to maximize business impact. Hello everyone, my nickname is mickey. I am Data Engineer at Accenture.  I can use Google Cloud and Azure effectively. I have worked on modern data pipelines for some of the largest companies in Thailand.  I graduated from Software Engineer, Thammasat University with a bachelor's degree. In addition, I am studying for a master's degree in Artificial Intelligence from Essex University in UK. The last company I worked for was Accenture as a Data Engineer.  We consult many companies in Thailand. For example, I work on data related to retail with a CP company. CP is the largest company in Thailand. I work on data related to the mobile networks with an AIS company of the largest companies in Thailand.  I Created a low-code, near real-time enterprise big data framework using Azure Databricks. I built an ELT pipeline with Azure Data Factory, replacing labor-intensive tasks with scheduled jobs. I use sql to create, edit, delete, add data to database in Azure including using spark,sql to manage.  I Collect many types of files such as deflate,parquet,csv.gz,csv,dat.gz,xml,xml.tmp,snappy. into the database() using Storage Account,Azure Databrick and Data Factory. I take what is obtained by collecting various types of data lake files. Let's do data cleansing with python, sql, spark and go to a data warehouse with the same pattern database throughout the system.  Using Storage Account, Azure Databrick and Data Factory I use python, pyspark, sql to collect 100's of databases from the unclean data to clean data for the data scientist can continue to use.  I see that you are an expert in this field and I believe that text will be very useful to Thailand by expecially in speech recognition because words to cut words in Thai are considered much more difficult than in English. For example, Thai language has no space bar to cut words, some words are written the same but in a different positions, the meaning has changed |
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REFERENCES

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| 1.IBM[Data Scientist IBM CIC](https://www.linkedin.com/jobs/view/3139068906/?alternateChannel=search&refId=2K6X4nA4s0vcUQmNllEsAw%3D%3D&trackingId=weDqBUlmZC0vzhOS7B3ynw%3D%3D&trk=d_flagship3_search_srp_jobs)2.Vodafone[Data Scientist](https://www.linkedin.com/jobs/view/3136621170/?alternateChannel=search&refId=2K6X4nA4s0vcUQmNllEsAw%3D%3D&trackingId=3tiGTsE5ZZx0xgnU%2FmwrlQ%3D%3D&trk=d_flagship3_search_srp_jobs)3.Asda[Data Scientist](https://www.linkedin.com/jobs/view/3143480616/?alternateChannel=search&refId=2K6X4nA4s0vcUQmNllEsAw%3D%3D&trackingId=SyRwTrECmM9eDPcmXOISDw%3D%3D&trk=d_flagship3_search_srp_jobs) | KPMG Ireland[Data Engineer – Graduate 2022, Belfast](https://www.linkedin.com/jobs/view/3146818675/?alternateChannel=search&refId=%2FCP59Oj91EXkc%2F4QGxpaBQ%3D%3D&trackingId=xTMVfnETeTHmNBvhzFiSuQ%3D%3D&trk=d_flagship3_search_srp_jobs) Harnham [Customer Data Analyst](https://www.linkedin.com/jobs/view/3146121468/?alternateChannel=search&refId=o%2BMlkJVHiiOGZNeEhrVRnQ%3D%3D&trackingId=WfwUNSyT2zLXz8StMrDxAA%3D%3D&trk=d_flagship3_search_srp_jobs) |
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