FRANKIE PANG

Aspiring Fintech and Data analytic Student in HKU | Seeking Data Engineer Position | Experience with SQL and Python

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GitHub | Linkedin | HackerRank | Stackoverflow

EDUCATION

The University of Hong Kong — Hong Kong
MSc. in Financial Technology and Data Analytics , Department of Computer Science — Sep 2021 - May 2023

The Hong Kong University of Science and Technology — Hong Kong
BSc. in Mathematics and Economics — Sep 2012 - May 2016

EXPERIENCE

Deloitte | Consultant — Hong Kong | Dec 2021 - Aug 2022
- Reviewed source codes of a legacy system that uses JSP, Java Struts, and stored procedures, completed code scan with the size of > 50000 lines of codes,100 Business Objects and 30 Data Access Objects
- Clarified the existing system behaviours with the Application Team and consolidated the requirements into 100 business capabilities
- Designed 100 API endpoints and documented specifications for system modernization

AXA Hong Kong and Macau | Senior Business Analyst — Hong Kong | Oct 2019 - Oct 2021
- Estimated efforts to meet customer and business needs in the projects involving changes among IT Backend systems. (IBM AS400, Finance Reporting system(BI) / Imaging and workflow System
- Led and participated in multiple waterfall/agile projects by collaborating with customers and IT Teams
- Facilitated process design changes by conducting business and systems process analysis and design at a complex level
- Prepared SDLC documents such as User requirement specifications, UAT Plan, UAT Test Cases, Cycle Plan, IVT Plan, and User stories. Review Functional Specification and IT Cost Estimation

FDM Group | IT Consultant — Hong Kong | Jan 2017 - Oct 2019
- Secondment to prominent companies, including HSBC GBM, Manulife and CLP, with a role as a system analyst and business analyst
- Built dashboards and designed the interface specifications to pass data from source systems to a designated reporting database
- Supported PL/SQL program to generate FATCA and CRS reports
- Supported a Microservice to convert CSV/JSON input from upstream systems to letters(pdf, tiff, ps format)

SKILLS

Programming Languages:	Python, SQL, JavaScript, Solidity
Libraries/Frameworks:	Pandas, Numpy, Sklearn, Matplotlib, Beautifulsoup, Selenium, React
Tools / Platforms:	Databrick, Bitbucket, Confluence, JIRA, Jenkins, ServiceNow, Github, Postman
Databases:	Postgrete, Oracle, MSSQL

PROJECTS / OPEN-SOURCE

dApp for NFT Ticketing | Link — *Next JS, Solidity*
- Deployed smart contracts in the Ethereum network using hardhat framework, utilized a Next JS frontend to allow users to use Metamask to interact with the smart contract in a Web3 fashion
- Hosted the frontend in Fleek(decentralized nodes) and connected with the graph(indexing protocol) to listen to the event emitted under the contracts, stored metadata in InterPlanetary File System(IPFS)

F1(Car Racing) Data Pipeline | Link — *Python, SQL*
- Constructed a data pipeline for F1 data in the Azure environment with components of Azure data lake storage, Azure data factory and Databrick

- Transformed and Load the data using Python and SQL to convert a single CSV to multiple tables with defined schema and partition

Classfication for Loan Evaluation | Link   *Python*
- Gathered and analyzed data related to automobile loans and divided the data into training and testing datasets
- Constructed a decision tree via computing the information gain recursively, improved the model performance using Random Forest Algorithms(RFA), and predicted the loan status (Approved/Declined)

CERTIFICATIONS

- Azure Data Engineer Associate - **Microsoft**
- Azure Data Fundamental - **Microsoft**
- Azure Fundamentals - **Microsoft**
- Azure Databricks & Spark Core For Data Engineers(Python/SQL) - **Udemy**
- SQL (Advanced) Certificate - **Hackerank**
- Tableau training - **SkilUp**
- Certified Scrum Product Owner (CSPO) - **Scrum Alliance, Inc.**
- Professional Scrum Master I - **Scrum.org**