

Danning Jiang . Jarvis Consulting

I am concentrated on software development and have hands-on experience in real projects, I am highly detail-oriented and logical. I am a fast learner and has strong motivation to work on cutting-edge technologies and have a good sense about coding, I pursues the high-quality and easy-to-understand codes. I also has a very engaging personality and exudes positive energy.

Skills

Proficient: Python, Java, Javascript, HTML/CSS, SQL, Machine Learning/Deep Learning

Competent: Bash, Git, React, Node.js, Vue.js

Familiar: C#, ASP.NET, Kotlin, Figma, Neo4J/GraphQL

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_DanningJiang

Linux Cluster Resource Monitoring Agent [GitHub]: Developed the monitoring agent program aims to record the hardware specifications of each host and monitor host resource usages (e.g. CPU/Memory) in real-time. The agent will be installed on each server to collect both hardware specification data and resource usage data, and then persist the collected data into an RDBMS database through a psql instance(container).Used crontab job to execute the script every minute. The program can be installed on each server and collect data automatically and detect the data usage. Technologies being used include Bash, Docker, Git, PostgreSQL.

Python Data Analytics [GitHub]: Delivered the proof of concept project (PoC) that helps the marketing team by analyzing and visualizing customer shopping behaviour data. The data is stored in a PostgreSQL database which is provisioned using a docker container, and it is connected to the Jupyter Notebook to perform analyses. Pandas, NumPy, and Matplotlib libraries are used to wrangle the dataset as well as display the results. It uses OLAP to analyze massive volumes of data rapidly.

Highlighted Projects

The Design and Implementation of The Library Seat Booking Selection System [GitHub]: Designed a Library seat booking and selection system based on students' opinions. Combined the system with access control system and realized the function of login verification, seat selection, reservation, and cancellation. Realized adding and deleting seats dynamically on the actual seat layout.

Professional Experiences

Software Developer, Jarvis (May 2022-present): Completed projects like Linux-SQL, Data Analytics, etc.

Software Developer,UI designer, unTribe (Jan - Apr 2021): 1.Collaborated with senior team members to implement REST web service module, Glossary, which enables searching through keywords, fetching last update, and adding comments. 2.Worked with PM and UX to finalize and develop UI for Glossary interface with Figma and React components library. 3.Implemented and optimized GraphQL client-side queries to improve data fetching from the Neo4j database.

Android App Developer, HikerWay (Sep 2021-Mar 2022): 1.Implemented Client-Server communication and User Login modules to enable user authentication through server issued tokens. 2.Improved picture list loading speed by implementing RecyclerView and deprecating ListView for frequent updates and partial refreshes for data sources. 3.Designed and improved layouts of the fragments to enhance user experience. 4.Reduced the error rate by fixing the Login modules bugs and stabilizing the login workflow.

Education

Lakehead University (2020-2022), Master of Computer Sciences, Computer Science - GPA: 85%

NANJING FOREST COLLEGE (2013-2017), Bachelor of Engineering, Information Technology - Scholarship - GPA: 85%

Miscellaneous

- Volunteer, The 2014 Summer Youth Olympic Games
- Volunteer, School's Food bank
- Playing Piano
- Video Editing