ZICHEN JIANG

zichenjiang.com
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PROFESSIONAL SKILLS

Experienced with: **Kubernetes, TravisCI, Apache Airflow**

Java, Python, SQL, ETL

PROFESSIONAL EXPERIENCES

Intermediate Full Stack Developer, Indellient; Oakville   May 2018 – Present
- Developed and maintained an hourly running pipeline using **Java** and **Python 3.**
- Integrated **TravisCI** and **Apache Airflow** to streamline container building in **Docker** and deployment to **Kubernetes**
- Optimized pipeline using multi-threading and efficient libraries, which decreased runtime by **6 times**
- Developed and documented REST API using **Java** and **Spring Framework**
- Refactored codebase using standardized template to reduce duplication and increase development speed
- Created ETL process using SQL Server Integration Services and resolved hidden data integrity issue for client
- Trained and supported numerous developers to maintain and continue development on existing projects

Database Analyst, Indellient; Oakville   Mar 2017 – Aug 2017
- Designed a Data Warehouse using **IBM DataStage** for Online Analytical Processing
- Visualized data on **IBM Cognos Business Intelligence** to help clients analyze data and make smarter decisions
- Met with clients to discuss business needs and exceeded client expectations
- Upgraded and debugged **IBM Cognos Analytics**, which resulted in **10%** faster report generation

Software Developer, Indellient; Oakville   May 2016 – Mar 2017
- Devised and accomplished file system integration with **Google Drive** and **SharePoint**
- Refined **AngularJS** front-end to improve memory usage by **10%**
- Designed and implemented **Single-Sign-On** using **SAML** and accelerated installation speed by **80%**

EDUCATION

Bachelor of Applied Science; McMaster University   2013 – 2018
- Graduated from Computer Science Co-op program with distinction (GPA 3.7/4.0)

PERSONAL PROJECTS

Rubber Hose, EthWaterloo   Nov 2019
- Winner of best use of **Enigma** network
- Developed an application with multilevel security protecting crypto wallet from unauthorized access
- Integrated **React** app with Enigma secret contract written in **Rust**

EthMessage, Stackathon   Nov 2017
- Third place in an Ethereum blockchain hackathon hosted by STK Token
- Created a solution to allow embedded message with each Ethereum transaction
- Implemented an end-to-end system using **ethers.js**, **React**, and **Solidity**

Project Director, DeltaHacks   Jun 2017 – Feb 2018
- Led a team of 35 students and hosted a 500-people hackathon with $60,000 budget and $10,000 surplus
- Created a passionate, respectful and supportive team, which projected to the hackathon culture
- Coordinated biweekly one-on-one meetings with members to evaluate individual performance and explore personal growth
- Organized social events to relieve stress, improve collaboration, and boost motivation