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# ZICHEN JIANG

## 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 13** 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**
- Refactored codebase using standardized template to reduce duplicate code and increase development speed
- Created ETL process using SQL Server Integration Services and resolved hidden data integrity issue for client
- Trained and supported six developers to maintain and continue development on existing software

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%**

Web Developer, AgentFlux; Markham

May 2014 - Aug 2014

- Designed and implemented front-end templating method which saved gigabytes of bandwidth and storage
- Facilitated web templating which improved front-end performance and enhanced data security

## 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