

# VINCENT TAN

Full Stack Software Engineer



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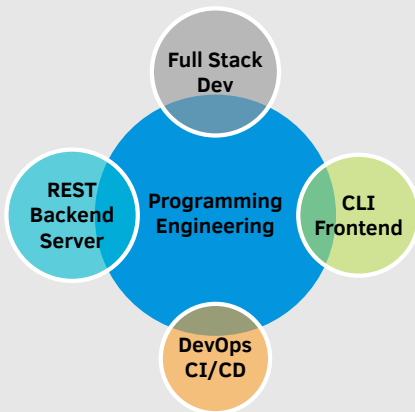


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## Technical Skills — Overview



### Programming

0 LOC —————> 5000 LOC

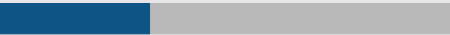
Golang



TypeScript



Bash • Python



## Education —

**BSc., Computer Science**

University of British Columbia

2016 - 2018 | Vancouver, BC, Canada

## Experience

Jan 2020 -  
Mar 2020

**Full Stack Software Engineer**

CTO.ai

- Internal move
- Developing on both the Golang based backend, and TypeScript based frontend
- Working with Slack Bot API, Docker container optimisation, unit tests
- Projects: Golang backend API, TypeScript CLI frontend, Slack integration
- Tools: TypeScript, Golang, GitLab

Aug 2019 -  
Jan 2020

**Full Stack Software Engineer**

CTO.ai

- Developing Ops to serve as examples and products of Ops platform
- Projects: Google Kubernetes Engine deployment op, various simple ops to demonstrate the abilities of the Ops platform
- Tools: TypeScript, Docker, AWS/GKE

Feb 2019 -  
Aug 2019

**Data Mapper**

CTO.ai

- Creating, naming, formatting, and quality testing mappings for data from various RETS providers to match a standardized Elasticsearch schema
- Mappings are done in JSON, while running pipelines locally through Docker containers
- Over time, picked up some additional responsibility for writing scripts, tools, and documentation to ease workflow
- Also served as technical support for fellow mappers
- Projects: JSON mappings checker, Automating pipeline runs, Data QA
- Tools: Bash Scripts, Golang, JavaScript, Docker, ElasticSearch, Python
- Also touched upon: PostgreSQL, Kafka, GitLab

Sep 2016 -  
May 2018

**Tier 1 Tech Support**

University of British Columbia

- Acting as first tier of support, screening user tickets and solving issues such as to ease the burden of higher tier technicians.
- Helping users through phone, remotely (email/TeamViewer) and in person, to troubleshoot Mac/Windows/Linux and Adobe/Office issues, as well as other technical issues.
- Tracking AV equipment rentals, reducing losses and reminding users to return equipment.
- Troubleshooting AV and IT issues in person in the classroom.
- A part-time position concurrent with my studies. Left the position when I graduated.

## Projects

Mar 2019

**Checkem**

Github

**Purpose:** Checking the mappings done in JSON for errors such as duplicates, incompatibilities with internal schemas, etc. Used in my role as Data Mapper at CTO.ai

- Written in Golang
- Parses remote DB-centralized DB mappings in JSON, remote DB schema in JSON, central DB (ElasticSearch) in JSON.
- Parsing and checking performed with Golang's goroutine, massively increasing speed.
- **Tools:** Golang, JSON, CSV, Parallelism, Elasticsearch