

CHRIS TAN

EXPERIENCE

Backend Engineer

Sep 2020 - Present

Instituto Inc.

Kitchener, ON

- Created a **Java Play Framework** backend API to enable and disable supply-side platforms (SSPs) and store JSON requests to enable backup restoration functionality for said API requests.
- Stored JSON request objects as backups in **AWS S3 Bucket**, and integrated a "restore" parameter function that parses the S3 key to find and re-enable or re-disable the API requests.

Software Developer

Jan 2020 - Apr 2020

Scotiabank

Toronto, ON

- Developed a full-stack web application using **Java Spring Boot** that queries JDBC H2 databases for transactions, utilising Spring **Hibernate/JPA back-end API** to connect to a **React front-end**.
- Implemented **inversion of control/dependency injection** principles by creating a Spring Boot application that ran **MySQL** queries and parsed result data into .csv files, increasing business analysis productivity by **48%**.
- Practiced **Model-View-Controller** software architecture within Spring Boot applications to enable **loose coupling**.
- Conducted **JUnit tests** and acceptance tests using **Cucumber** testing tool, working with senior developers to maintain ethical code practices.
- Exhibited Scrum best practices by working in an **Agile** team, participating in daily stand-ups and sprint retros, reviews, and other ceremonies.


PROJECTS

Ink'd


React.js, Serverless, AWS Lambda, DynamoDB, API Gateway, Cognito

- Assembled a **Serverless framework** web application that provides functionality for idea/project creation for creative writers.
- Leveraged **AWS Cognito User/Identity Pools** to store unique users, with **DynamoDB** storing unique story/note objects.

 sobercoder.me

 [/t-chris](https://github.com/t-chris)

 [/tan-chris](https://www.linkedin.com/in/tan-chris)

 chris.tan@uwaterloo.ca

EDUCATION

University of Waterloo

B.ASc Computer Engineering

Nortel Networks Scholarship

President's Scholarship of

Distinction

GPA: 3.95/4.0

COMMUNITY

VP Sponsorships

PTC Waterloo

Oct 2019 - Aug 2020

Secured over **\$1000** in funding by establishing sponsorships with Toyota Canada, Qool Media, and University of Waterloo, writing emails and scheduling meetings to fund technology conferences for Kitchener-Waterloo youth.

Freelance Writer

UWaterloo Voice

July 2020 - Present

Wrote multiple articles for a student-run publication on Medium, ranging from academic inquiries to prose on the topic of technology, media, and people.

SKILLS

Languages: Node/Javascript, Java, C++, Python, SQL

Frameworks/Libraries: Play, Express, Spring Boot, JUnit, Serverless, React, jQuery

Technologies: Git, Maven, Gradle, sbt, AWS, MySQL, MongoDB, DBeaver