

# Dinu Wijetunga

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**Languages** TypeScript, Python, C++, Go, Kotlin, JavaScript, C, SQL, Gremlin Graph, Java  
**Frameworks** NestJS, Flask, React, Redux, React Native  
**Tools** Git, Postman, Azure Cloud, CosmosDB, Swagger, Docker, AWS, Unix, MySQL, Postgres

## Experience

### Coinsquare

[Go](#) | [Python](#)

BACKEND SOFTWARE ENGINEERING INTERN (INCOMING)

Jan 2022 - May 2022

- Designing, developing, and testing scalable data infrastructure services for a leading Canadian cryptocurrency trading platform

### Cloudspark Labs

[TypeScript](#) | [NestJS](#)

BACKEND SOFTWARE ENGINEERING INTERN

May 2021 - Aug 2021

- Reduced auth API requests by **15%** through the development of an **API Key** microservice with deployment via **Azure Pipelines**
- Improved querying speed for **1000s** of interconnected data points by **30%**, switching **SQL** queries to **Gremlin Graph** Traversals
- Contributed to **Microsoft's Open Source** PowerPlatformConnectors by developing and submitting a **Custom Connector**
- Integrated **5+ microservices**, leveraging Chrome **Debugging Tools** to resolve issues when communicating between services
- Improved the efficiency of **Azure Workflow** setup by **60%** through automation of tasks using API **webhook** triggers

### The Shoe Project - UWaterloo Blueprint

[TypeScript](#) | [Go](#)

SOFTWARE DEVELOPER - CREATED A FREE WEB APP FOR A NON-PROFIT ORGANIZATION

Sep. 2020 - May 2021

- Built an **interactive map** to display **75+** stories written by Canadian immigrant women with an **admin portal** to manage stories
- Contributed to a **Go REST** API implementing **JWT** user auth, **Mapbox** API, and user **roles**, with deployment on **Heroku**
- Developed story filter component using **TypeScript/React**, **CSS** styling, **MaterialUI**, React hooks, and **styled components**
- Worked in an **Agile** team with **Git** version control, communication with **designers** on **Figma**, and weekly **client** meetings

### Ryerson University Aerospace Department

[MATLAB](#) | [AutoCAD](#)

SOFTWARE DEVELOPER INTERN

Aug. 2019

- Optimized a test aircraft's energy efficiency by **30%** by developing a **MATLAB** program to analyze solar panel sunlight absorption

## Projects

### EZventory

[Python](#) | [Kotlin](#)

INVENTORY MANAGEMENT APP FOR SMALL ORGANIZATIONS. Available on Google Play!

May 2020 - Aug. 2020

- Designed to help school clubs and sports teams keep track of their supplies with easy cloud saving and **CSV** exports
- Python/Flask** backend: **REST** API, **JWT** auth, and **MySQL** DB (**SQLAlchemy**); containerized **Docker** deployment on **AWS EC2**
- Kotlin/Android** frontend: user **authentication**, **filtering** and **CRUD operations** on inventory items, and **HTTP** API requests

### FlickPicker

[TypeScript](#)

A TOOL TO HELP PICK A MOVIE FOR WATCH PARTIES WITH FRIENDS

Dec. 2020 - Present

- TypeScript** frontend: **React Native** for **cross-device** compatibility and **Redux** for state management; leveraged React **hooks**

## Community

### UWaterloo Blueprint

[Waterloo, Ontario](#)

PRODUCT MANAGER

April 2021 - Present

- Co-managed** a team of 6 devs to create StarterCode: a tool for reducing the time required to build WebApps for **nonprofits**
- Coordinated a **3x increase** in use of StarterCode by petitioning for adoption across all Blueprint non-profit facing project teams
- Consulted with Blueprint Technical Leads to scope out areas of need and prioritize features for developers to work on

### Peel Student Presidents' Council

[Peel District School Board](#)

DIRECTOR OF LEADERSHIP

Sep. 2018 - Jun. 2020

- Lead** organizer of a 2-night/3-day leadership retreat for **250+ students**; managed a **\$60 000 budget** and **40 student leaders**

### Community Volunteer

[Mississauga, Ontario](#)

**480+** VOLUNTEER HOURS TOTAL

Jun. 2016 - Mar. 2020

## Education

### University of Waterloo

[Waterloo, Ontario](#)

BACHELOR OF SOFTWARE ENGINEERING, B.SE

Sep. 2020 - Present

- CGPA:** 4.0, Dean's Honours List 2020
- Awarded Kurt and Marianne Strobele Engineering Scholarship (\$24 000) for leadership and community service in tech