

# Neilzon Viloría

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## EDUCATION

### University of Alberta

Edmonton, AB

*Bachelor of Science in Computer Science, Minor in Math*

## EXPERIENCE

### Software Engineer

June 2023 – Present

*PLACE*

*Edmonton, AB*

Series A proptech startup empowering real estate agents with automation tools and large-scale housing market analytics. Raised \$100M from Goldman Sachs

- Redesigned billing webhook service to ensure subscription records stayed consistent with external payment provider (Maxio), increasing billing accuracy and reducing payment errors across all customers.
- Designed and launched a distributed data processing pipeline using Python, Celery, RabbitMQ, and Docker, scaling to handle over 500k tasks per month and delivering \$50k in monthly operational cost savings across the organization
- Refactored internal data access layer to support a newer NoSQL database version, enabling a seamless migration and improving query performance by up to 70% by replacing legacy map-reduce queries with more flexible document-based queries
- Developed major features for a React-based marketing campaign editor used by thousands of real estate agents; integrated PLACE's housing market analytics from multiple sources to dynamically tailor campaigns for geographic farming, boosting lead conversion and engagement
- Owned and maintained the CRM's core React component library as DRI, enabling consistent design system and high-performance UI delivery across multiple product teams.

### Fullstack Engineering Intern

May 2022 – Aug. 2022

*Dapper Labs*

*Vancouver, BC*

- Developed a Go GraphQL service to facilitate engineers in prototyping Flow apps by allowing them to execute transactions and scripts on a live blockchain development environment
- Improved build times by 83% with a scalable documentation service using React, Remix, Node, Tailwind, TypeScript and Redis
- Developed and executed a suite of automated tests for a core CLI tool ensuring that each release was stable and high-quality

### Junior Fullstack Engineer

Sept 2020 – Sept 2021

*MoveMate*

*Montreal, QC*

- Developed a NextJS, React, TypeScript, and Redux booking app for move booking which increased conversions by 25% and reduced bounce rates by 75%
- Built an invoicing and job tracking dashboard for operations using NextJS and TypeScript, improving revenue tracking and service reliability

## OPEN SOURCE CONTRIBUTIONS

### Ladybird Browser | C++, Objective-C, Swift, AppKit, QT

<https://www.ladybird.org/>

- Implemented track spacing algorithm for `justify-content` and `align-content` in CSS Grid, following W3C grid sizing algorithm specs.
- Built devtools features across the engine and browser UI to improve debugging for maintainers and users.
- Added canvas APIs for element blending, conforming to W3C specifications.

### CodeEdit | SwiftUI, Swift, Objective-C

<https://www.codeedit.app/>

- Implemented drag and drop system for the file tree
- Fixed a bug around the settings window

## PROJECTS

### Hurl | Go

<https://github.com/neil-and-void/hurl>

- A cli tool that is Postman for the terminal to streamline terminal workflows when developing backend services

## TECHNICAL SKILLS

**Technologies:** TypeScript, Python, Go, SQL, HTML/CSS, RabbitMQ, React