Neilzon Viloria

5879884540 | neilzoncviloria@gmail.com | linkedin.com/in/neilzonv | github.com/neil-ptr

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

- Led a billing refactor at PLACE, ensuring our internal records stayed in sync with our external payment provider (Maxio) by redesigning a webhook handler for reliability and consistency across events like renewals, refunds, and charge failures.
- Designed and launched a distributed data processing pipeline using Python, Celery, RabbitMQ, and Docker, scaling to handle over 500k tasks per month and driving $50k in monthly team efficiency gains
- Took initiative to improve observability by instrumenting core services with Elastic APM, and building dashboards in Grafana to surface app-level performance and trace data; complemented existing infra monitoring via Prometheus enabling rapid identification and resolution of critical service issues
- Refactored data access layer to support CouchDB v3, enabling a seamless migration from v2 and improving query performance by up to 70% by replacing map-reduce views with flexible Mango queries

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