

Yadunand Prem

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EXPERIENCE

Software Engineering Intern

Aug 2024 — July 2025

[Endor Health](#)

Toronto, Ontario, Canada

- Spearheaded frontend modernization efforts, migrating the **React Native** codebase from **JavaScript** to **TypeScript**, significantly improving maintainability, type safety, and developer experience.
- Introduced a **react-query** based networking layer with persistent caching, replacing ad-hoc fetch calls to improve performance, consistency, and offline resilience.
- Designed and implemented an auto-order fulfillment system that now processes **20%** of all pharmacy orders, automating patient refills
- Shipped features and improvements that supported user growth from **~300** to **~3200 MAUs**

Software Engineering Intern

May 2024 — Jul 2024

[Marshall Wace](#)

Hong Kong

- Built an LLM-powered pipeline to classify broker news into actionable ticker sentiment signals for trading systems.
- Improved sentiment classification accuracy from 0.7 (previous NLP model) to 0.9 (new LLM-based model) on validation datasets.
- Created a platform for users to iteratively train and validate LLM prompts against historical and daily data
- Enhanced prompt iteration speed and model reliability, accelerating integration of sentiment signals into investment decisions.

Software Engineer

Apr 2020 — Jul 2023

[Undertide](#)

Remote

- Worked on the [Glasspass](#) project, a marketplace for glass art in the US
- Picked up **React Native** to build the project from scratch, working with the US based backend team
- Rewrote backend from a **Javascript** monolith to using **Typescript**, Micro-Services and GraphQL

Software Engineering Intern

Aug 2018 — Oct 2018

[EngageRocket](#)

Singapore

- Engagerocket is a employee insights and engagement platform
- Used Ruby on Rails with Rails Engine to build the admin interface panel for the customer success team

EDUCATION

National University of Singapore

Singapore

Bachelor's of Science, Computer Science

Aug 2022 — May 2026

- GPA: 4.29/5.00
- Relevant Coursework: Programming Language Concepts, Data Structures and Algorithms, Introduction to Operating Systems, Database Systems
- Coreteam member of NUS Hackers, an organisation committed to spreading the hacker culture in NUS
- Organised talks and conducted workshops under NUS Hackers

PROJECTS

Homelab

<https://github.com/yadunut/homelab>

- Custom NixOS ISOs, enabling brand-new VMs to come online with secure global SSH access straight out of the box
- 3 node Kubernetes cluster managed via FluxCD

SKILLS

- **Programming Languages:** JavaScript, Typescript, Python, Java, Go, Ruby
- **Technologies:** React, React Native, Ruby on Rails, Docker, Kubernetes, FluxCD