Yadunand Prem

Singapore | yadunand@yadunut.com | github.com/yadunut | linkedin.com/in/yadunand-prem | yadunut.dev

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   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