

RALF ALEXANDER O. LOPEZ

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PROFESSIONAL SUMMARY

A **Software Engineer** focused on web development who can work across the stack. Also interested in making architectural and design decisions. But more importantly, a team player who can work with minimum supervision and is always ready to make an impact.

Professional Skills and Interests:

- | | | |
|-------------------------------|------------------|--------------------|
| • Javascript / Typescript | • Java / Spring | • SQL / PostgreSQL |
| • React / Next.js | • REST / GraphQL | • Docker |
| • Node.js / Express / Nest.js | | |

EDUCATION

University of San Carlos (Last Attended 2021). Cebu City, Philippines

- Completed 84 units towards a **BS in Information Technology**

RELEVANT PROJECTS

Bahagi Digital Wallet (2022). github.com/ralflopez/bahagi-digital-wallet

- An e - wallet implementation using Paymongo's API for cashing in with a credit card.
- Tech stack: Typescript, Nest.js, Next.js, Chakra UI, GraphQL, PostgreSQL, TypeORM, Session, Docker, Paymongo API

Paper Trade (2022). github.com/ralflopez/paper-trade

- A cryptocurrency trading platform using Coincap.io's websocket API to fetch real time prices.
- Tech stack: Typescript, Express, Next.js, Tailwind CSS, GraphQL, PostgreSQL, Prisma. JWT, Docker, CoinCap API, Jest

Vault Pass (2022). github.com/ralflopez/vault-pass

- A password manager implementation based on the *Zero Knowledge Model*.
- Tech stack: Typescript, Nest.js, Next.js, Chakra UI, PostgreSQL, Session, Prisma, Docker, Jest

Coauth Authentication Service Container (2022). github.com/ralflopez/coauth-auth-service-container

- A service meant to run as a docker container for handling user authentication / authorization.
- Tech stack: Go, PostgreSQL, JWT, Session, Docker

STUDENT LIFE AND VOLUNTEERISM

Google Developers Club - University of San Carlos: took part in events and activities around different technologies such as git and front end web development. (2021)

Today's Carolinian – Photojournalist: Among the top 15 journalists of the year (2019). Collaborated and covered with fellow journalists in ~15 different events. (2019- 2021)

Movir Engineering Society – Publication Committee: Assigned in publication materials for events and lecture series. Handled the year end portrait photos for 46 active members. (2019 - 2020)