

Phillbert Neil Tan

4th Year Computer Science Student

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Experiences

Co-Founder

DASHLABS.AI (YC W21)

Jun 2020 - Present

- Built a scalable architecture Dashlabs.ai using **Google Kubernetes Engine**
- Integrated with **GitHub Actions** and **ArgoCD** as deployment pipelines
- Created an in-house VPN Solution using **WireGuard**
- Created cheap and scalable in-house tools used to speed up development for the Dev Team
- Contributed to **Doppler (Secrets Manager)** via Open Source by architecting their current **Kubernetes Operator**
- Managed the IT Team handling inventory, access control, security assessments, and support helpdesk
- Created documentation and internal tools to provide non-technical team members to learn how to code with our stack – allowing more than 10 team members to contribute to the product.

Teaching Assistant - CPSC 210 - Software Construction in Java

THE UNIVERSITY OF BRITISH COLUMBIA

Sept 2020 - Present

- Facilitating lab sessions and helped students further understand the course curriculum in **Java**

Associate Software Engineer (Co-op)

ABSOLUTE SOFTWARE CORPORATION

Jan 2021 - Aug 2021

Working in the **DevOps** team in building common libraries in **Java** and developing infrastructure using **Kubernetes** and **GitOps**.

Lead Software/DevOps Engineer (Remote Volunteer)

PHILIPPINE RED CROSS - COVID-19 PLATFORM

May 2020 - Present

- Built the e-CIF (Electronic Case Investigation Form) deployed at the Ninoy Aquino International Airport (Manila) for the COVID-19 testing of incoming international travellers using **NextJS**, **Apollo GraphQL**, and **MySQL**.
- Created a web app running on a DigitalOcean **Kubernetes** cluster handling upwards of **1TB worth of HTTP requests** each month to better track the COVID-19 testing process of patients at the Philippine Red Cross.
- Expedited the COVID-19 testing process through automation tools built in **TypeScript** to increase daily COVID-19 testing across different Philippine Red Cross chapters
- Designed and developed the infrastructure to increase national COVID-19 testing volume for the Philippines by 2.5x to 30,000 per day in partnership with McKinsey and Company and various government agencies.
- Improved passenger processing time per flight from 12 hours to 2.5 hours on average at the Ninoy Aquino International Airport in Manila to increase inbound passenger volume and further boost Philippine economy.

Backend Developer, Lead DevOps (Remote Volunteer)

DASHBOARD PHILIPPINES

Mar 2020 - Present

- Worked in a team of around 30 people using **TypeScript**, **NodeJS**, and **GraphQL** delivering data on COVID-19 resources in the Philippines.
- Migrated the backend infrastructure from Heroku to **Google Cloud Platform**
- Docker**-ized the entire platform to increase performance to accommodate for more than 10,000+ users per day.
- Reduced overhead on **NextJS** Application to speed up rendering of 10,000+ data points on a map
- Sped up deployment pipeline by integrating **GitHub Actions** and **Google Cloud Build** to deploy to **Google Cloud Run**

Education

Bachelor of Arts in Computer Science and Commerce

THE UNIVERSITY OF BRITISH COLUMBIA

Sept. 2019 - Present

- Trek Excellence Scholar
- Dean's List Standing

Societies

2021 **Sigma Squared Society**, Formerly Kairos Society Europe

Skills

DevOps	AWS, Azure, Docker, Google Cloud Platform, Kubernetes, Git, GitHub Actions, GitOps, ArgoCD, Helm, Jsonnet
Databases	MySQL, MongoDB, PostgreSQL, Redis, Apache Kafka, Google BigQuery
Fullstack	Express, REST, GraphQL, React, Next.js, Laravel
Programming	TypeScript, JavaScript, Java, PHP, C++, Python