

LIAM KYLE VIRAY

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SKILLS

- **Languages:** Java, SQL, HTML, CSS, TypeScript, JavaScript, Dart, Python, C#
- **Frameworks:** Springboot, NextJS, ReactJS, VueJS, Tailwind, Flutter
- **Tools:** IntelliJ IDEA, MySQL, PostgreSQL, Git/Github, FastAPI, Docker, Shadcn, Firebase, Sanity, Sentry, VS Code, Android Studio, Jira, Notion, ClickUp,

EDUCATION

Pamantasan ng Lungsod ng Maynila

Bachelor of Science in Computer Science

2021 - 2025

General Luna, Intramuros, Manila

- **Thesis:** "Enhanced You Only Look Once (YOLOv5) Object Detection Algorithm for Traffic Flow Management"
- **Magna Cum Laude** Candidate (GWA: 1.294)
- **Dean's List** Academic Achievement Award
- **Mobile Developer Volunteer** of Google Developer Students Club
- **Member** of PLM Computer Science Society & Microsoft Student Community

La Consolacion College of Caloocan

Science, Technology, Engineering, and Mathematics

2019 - 2021

A. Mabini St, Dagat-Dagatan, Caloocan

- Graduated With High Honors

PROJECTS

ShrtnURL Link Shortener

Back-End Developer

- A REST API application wherein one can shorten link either with short code or customized one.
- Used **Java Spring boot** with **PostgreSQL** as the backend framework for the project.
- Utilized **Lombok**, **Data JPA**, and **Annotation Validation** for the tools in the backend
- Configured the controllers to be able to access shorten and redirect to the original url with **Spring boot REST API**.
- Project repository at <https://github.com/xNeshi/shrtnurl>

Live Group Chat

Full-Stack Developer

- A simple live group chat application wherein data is fetched in real-time through **websockets**
- Used **Java Spring boot** with **MySQL** as the backend framework for the project.
- Used **Next.js/React.js** with **TypeScript** and **Tailwind** as the frontend framework for the project.
- Utilized **Lombok**, **Data JPA**, and **WebSocket** for backend, **Shadcn**, **StompJS**, and **zod** for frontend.
- Configured the frontend to fetch data, both http and websocket from the **Spring boot REST API**.
- Project repository at <https://github.com/xNeshi/live-group-chat>

InstaCuts Online Photobooth

Front-End Developer

- Online photobooth app inspired by korean photobooths wherein you can take 4 photo snaps in 1 strip
- Used **Next.js/React.js** with **TypeScript** and **Tailwind** as the main framework for the project.
- Utilized **Axios** with combination of **Next Auth** for Email and OAuth sign in / sign up from **Laravel REST API**.
- Utilized **Shadcn** for reusable components and **zod** for register and login forms.
- Containerized frontend with **Docker** having prod and dev environments.
- Project repository at github.com/xNeshi/photobooth-app

Collab Project Web App

Full-Stack Developer

- Social media app wherein one can post their own projects to find people or groups they could collaborate with
- Used **Next.js/React.js** with **TypeScript** and **Tailwind** as the main framework for the project.
- Utilized **Sanity** as the content management system providing backend for the application with **Next Auth** as the authentication system that is configured to provide a google OAuth.
- Implemented **Sentry** for error logging and catching with user feedback on and **zod** for form input validation.
- Utilized **Shadcn** for easy implementation of reusable components.
- Project repository at github.com/xNeshi/collab-project

Il Mio Coffee PH's Mobile Application

Full-Stack Developer

- Restaurant application for Il Mio Coffee that showcases their beverages and pastries
- Used **Flutter** as the framework for the project.
- Implemented **firebase** authentication, firestore collection, and firebase storage for the backend of the app.
- Added email/password and **OAuth** like google auth, facebook auth, and twitter auth for logging in user credentials.
- Utilized various packages with provider **state management** to achieve frontend design base on the FIGMA plan of the UI/UX team.

PLM CRS Graduate Program App

Front-End Developer

- Graduate Program Application that handles the feature of graduate students.
- Used **Flutter** as the framework for the project.
- Implemented light mode and dark mode for the faculty and cashier pages.
- Improved page **state management** to avoid inefficient switching between screens for faculty and cashier pages.

Human Resource Information System

Front-End Developer

- HRIS with attendance tracker and task management capabilities
- Used **Vue.js** and **Tailwind** as the front-end framework for the project.
- Created reusable components for the dashboard and the attendance page of the website.
- Implemented conditional rendering of attendances base from the data received from the **Django REST API**.

Financial Inventory Module (PLM ERP)

Project Manager

- A module of a batch ERP project primarily concerning the fixed assets of the accounting department.
- Used **Tailwind, Alpine.js, Laravel, Livewire (TALL stack)** as the tech stack for the project.
- Managed and decided for the whole project ensuring the deliverables are met and up to par with the requirements.
- Implemented the use of **agile-scrum development** as the project management framework. Initially utilized **Jira**, but then switched to **Notion**.

Horror Chase Game

Lead Programmer

- A maze game where a hostile entity tries to catch you around the map.
- Used **Unity** as the engine for the project.
- Implemented basic **C#** scripts for the logic and utilized various assets in the unity asset store.

ssSawa Programming Language

Assistant Programmer/Quality Tester

- A own created programming language which is a filipino version of Python.
- Used **Python** as the primary language for the project
- Contributed with replacing parts of the source code with reusable functions
- Assisted with the reliability and functionality of compiler's lexical analyzer
- Assisted with the **documentation** and **testing** of the compiler's results and the expected output.

EXPERIENCE

Concentrix IT Internship

IT Operations Intern

- Resolved tickets and troubleshoot any issues relating to IT areas such as network and PC.
- Handled and communicated with agents for any technical concerns or replacement of IT assets.
- Worked and assisted IT representatives with any task available at the moment.

CERTIFICATIONS

Certified in Cybersecurity (ISC2)

April 2023

Cybersecurity Essentials (CISCO Networking Academy)

May 2023

Introduction to Cybersecurity (CISCO Networking Academy)

March 2023

TRAINING AND SEMINAR

InnOlympics Technical Workshop: Flutter, Firebase, Cloud

January 2025

InnOlympics Technical Workshop: FlutterFlow, Gemini, Vertex AI

January 2025

GDSC PLM's Ready, Set, Grow

June 2024

GDSC San Carlos' React Native Mobile Development

May 2024

Uplift's Crack the Code: Coding Workshop

May 2024

REFERENCES

Bren Alfred J. Espana

Lecturer III, Pamantasan ng Lungsod ng Maynila

- Email: baespana24@gmail.com
- Phone: (+63) 9171388873
- Relationship: Academic Professor
- Availability: 3:00 PM onwards

Elizabeth Delos Reyes

Senior IT Operations, Concentrix San Lazaro

- Email: elizabeth.delosreyes@concentrix.com
- Phone: (+63) 9178561327
- Relationship: IT Supervisor
- Availability: 2:00 PM onwards (Mon-Thurs)