

# Joseph Karl Crisostomo

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## Education

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### Polytechnic University of the Philippines

Sta. Mesa, Manila

Bachelor of Science in Computer Science

2019-2023

- Cum Laude (GWA 1.37)
- Lead our thesis system development

## Work Experience

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### [Department of Science and Technology – Advanced Science and Technology Institute](#)

Diliman, Quezon, City,  
Philippines

Back-end Developer (Python - Django)

February 2024 – March 2026

- Designed and led the inference system development that cuts AI model inference feature integration from 2-3 months to a day, at best.
- Initiate the writing of unit tests from 0 to around 90% coverage, improving overall maintainability, reliability, and integrity of the system.
- Deploy services on-premises Linux server (Ubuntu) and on the Cloud (AWS).
- Used **Kubernetes** for container orchestration and management of AI workloads.
- Implemented an automated build system using **CodeBuild**, **Elastic Container Registry**, and **S3**.
- Enabled fast and repeatable deployment by automating infrastructure provisioning using AWS **Cloudformation**

### [Dashlabs.ai](#)

Makati, City

Web Developer Intern (Typescript – NextJS, GraphQL, Material UI)

August - September 2022

- Contributed in the maintenance of Patient Management Service of the platform.

## Competitive Participations

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### [RedwoodJS Build Competition](#)

Oregon, U.S.

3rd Place

October 2023

- Built a web app that aims to provide a platform for mobile vendors to broadcast their location, giving them visibility wherever they are.
- Developed a working prototype using RedwoodJS in less than a month (Typescript, ReactJS, Apollo GraphQL, and Supabase)

## Skills and Interests

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**Languages:** English, Filipino

**Interests:** Software Architecture and Design, Infrastructure, API Design

**Hobbies:** Coding, Reading, Running

**Skills:** Web Application Development, Python, Django, Ruby, Ruby on Rails, JavaScript, TypeScript