

# CHRISTOPHER JAY DE CLARO

Software Engineer | Professor



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## PROFILE

Software Engineer and IT Professor with a Bachelor's degree in Information Technology from the Polytechnic University of the Philippines. Experienced in building and deploying production-grade web applications across academic and industry settings, with projects presented at the national level. Currently specializing in full-stack web development using Ruby on Rails and React, while conducting master's research in Artificial Intelligence with a focus on AI, emotional intelligence, and human-technology interaction. Recent speaker at seminars on AI and emotion-aware systems. Strong collaborator with excellent communication skills.

## SKILLS

- Artificial Intelligence & Machine Learning Concepts
- Emotion-Aware AI & Human-Computer Interaction
- Ruby on Rails, Ruby, React, TypeScript, JavaScript
- HTML, CSS, Angular
- SQL, PostgreSQL, MongoDB
- AWS Cloud Services
- CI/CD: Git, GitHub, CircleCI
- Observability: SonarCloud, Datadog
- Docker, System Integration
- Agile Development, Jira
- UI/UX Prototyping: Figma, Adobe XD

## EXPERIENCES

### SOFTWARE ENGINEER

**Montani International**, Makati City, PH  
Sep 2025 - Present

Developed and maintained an AI-enabled Shopify web application to improve product intelligence and user experience. Collaborated with cross-functional teams (engineering, QA, UI/UX) to deliver scalable, production-ready solutions.

### PROFESSOR

**Polytechnic University of the Philippines - Sto Tomas**, Batangas, PH  
Nov 2019 - Present

Teach undergraduate courses in software engineering, programming, digital design, and Artificial Intelligence. Lead AI-focused coursework and mentor students in research, system design, and applied development. Supervise academic projects aligned with real-world software engineering practices.

### SOFTWARE ENGINEER

**Quipper Philippines**, Makati City, PH  
Apr 2021 - Dec 2025

Contributed to the development of a large-scale Learning Management System used by thousands of learners. Designed and implemented features using Ruby on Rails and React. Deployed and maintained services using AWS, Docker, and CI/CD pipelines.

### SOFTWARE ENGINEER

**You\_Source Inc**, Makati City, PH  
Mar 2019 - Apr 2021

Developed service-oriented web applications using Ruby on Rails and Angular. Participated in full software development lifecycle, from requirements to deployment.

## EDUCATION

### BS Information Technology

**Polytechnic University of the Philippines**  
2015 - 2019

### Master in Information Technology

**Polytechnic University of the Philippines OU**  
2021 - Present

Research focus: Artificial Intelligence, emotional intelligence, and psychological modeling.

Secondary focus: Business Process Reengineering  
Scheduled presentation: Tokyo, Japan (2026)

## PROJECTS

### MAPPING THE PHILIPPINES

[github.com/cjdeclaro/mapping-the-ph](https://github.com/cjdeclaro/mapping-the-ph)

Mapping the Philippines is a project that aims to visualize various aspects of the Philippines using geographic data. It is structured to support multiple sub-projects, each with a specific theme or dataset.

## AWARDS

- Cum Laude, Polytechnic University of the Philippines
- Finalist, Smart Communications Inc. Annual Sweep App Dev Awards (2019)
- Champion, iSite CALABARZON Regional C++ Programming Competition (2018)
- Top Finisher, multiple national-level hackathons and competitions