

AYO AYCO

Engineering Leader, Software Engineer, Web Developer

@ ayo@ayco.io 📍 Amsterdam, NL 🌐 www.ayco.io 🔄 AyoAyco

More than a decade of professional experience building web apps for both private businesses and government-funded high-impact projects utilizing web technologies, IoT, data viz/insights, remote sensing, and GIS

EXPERIENCE

Chapter Lead for Web

Banking Technology, ING

📅 June 2024 - Present 📍 Amsterdam, Netherlands

- As a Chapter Lead for Web, I facilitate cross-team activities that connect web engineers and help us grow in knowledge and skill. Together, we identify common challenges and opportunities for new solutions. I lead an organization distributed across 6 teams working on global platform systems and components upon which web apps in various countries are being built. Our Unified Design System and Software Development Kits (e.g., microfrontends, metrics, etc.) are the ingredients ING developers use to craft experiences for nearly 40 million customers.

Senior Web Dev Consultant

iO Digital

📅 January 2022 - May 2024 📍 Amsterdam, Netherlands

- Provide web development expertise to organizations around The Netherlands:
- Priva contract** - Build and maintain the next generation of tooling used by Priva's global partners to configure their suite of IoT devices for highly delicate climate control in greenhouses.
- Facilitated an open-source program for iO Consultancy called **Spice Program**, where we encouraged innovative ideas and participation to Free and Open Source Software projects
- Gave talks as well as helped organize meetups that connected engineers and Subject Matter Experts
- Angular, NgRx, WebSockets, Cypress e2e, Karma, Jasmine, ESLint, Sonar, SCSS, HTML, Typescript, Git, Agile Development, Azure DevOps

Software Engineer

Infor

📅 January 2016 - January 2022 📍 Metro Manila, Philippines

- Contribute significant expertise in 3 projects under **Infor M3**, Infor's most powerful ERP cloud software
 - M3 Experience Designer** - worked on the project from POC leading to Infor's flagship ERP no-code app builder
 - M3UX2** - developed a modernized rewrite of M3H5 using Angular
 - M3H5** - engaged in the development of features and bug-fixing using JQuery

EDUCATION

B.S. in Computer Science

University of the Philippines Los Baños

📅 October 28, 2011 📍 Philippines

Research: Implementation of Various Loop Scheduling Algorithms on Desktop Grids

CERTIFICATION

Certified Professional for Software Architecture (CPSA-F®)

<https://www.isaqb.org/>

📅 September 20, 2023 📍 Amsterdam

AWARDS



Most Innovative Project

NativeScript Hack for Good 2019



Hiraya Innovation Award

Infor Sinagtala Awards 2018

OPEN SOURCE

WebComponent.io

<https://webcomponent.io/>

- zero-dependency tiny JS base class for creating reactive custom elements easily
- provides a simple reactivity system for web components

McFly

<https://mcfly.js.org/>

- McFly is a framework that assists in leveraging the web platform
- Specifically built for using web standards

More on my GitHub profile

<https://ayco.io/gh/>

LANGUAGES

English
Filipino



- Angular, NgRx, Nx Workspace, Webpack, NodeJS, BEM, SCSS, HTML, Typescript, Git, Agile Development, Karma, Jasmine, ESLint, SonarScanner, Jasmine-Given, Jira, GitLab
- Constructed the core code-base of **Innovation Flight Central**, a submission platform hosted in Infor's private network where employees can share ideas and kick-start projects
 - PHP, MySQL, MiniOrange SAML Login, Windows Server (IIS), Windows ADFS
- Deliver high-quality web front-end modules
- Train software developers within the company

Senior Developer Consultant

Impact Hub Manila

📅 May 2021 - December 2021 📍 Remote

- As the Senior Developer Consultant, I am responsible for leading the development of Impact Hub Manila's hackathon platform, making sure the deliverables are on track, and supporting the hackathon events
- I also contribute expertise on other projects such as the VotePilipinas platform which is the Philippines Commission on Election flagship voter registration information campaign in partnership with Impact Hub Manila
- Angular, Firebase Firestore, Cloud Functions, Jasmine, Karma, NodeJS, SCSS, HTML, Typescript, Git, Github Issues, Github Projects

Web Development Consultant

Ateneo Center for Computing Competency and Research (formerly Ateneo Java Wireless Competency Center)

📅 April - September 2017 📍 Metro Manila, Philippines

- developed the web app for the **Cloud-based Intelligent Total Analysis System (CITAS)**, a platform for remote data collection, storage, and analysis for the detection of plant diseases in the Philippines
- The CITAS system facilitates the exchange of information from geospatial wireless sensors and mobile microscopy to the Machine Learning platform for analysis.
- Angular, Data Visualization, High Charts, LeafletJS, NodeJS, SCSS, HTML, Typescript, Git, Github Issues, Github Projects

Project Manager and Lead Software Engineer

Department of Science and Technology Project NOAH - WebSAFE

📅 January - December 2015 📍 Metro Manila, Philippines

- spearheaded the overall development of **WebSAFE**, an impact assessment tool for calculating needs for the effects of natural hazards on exposed assets such as people and infrastructure
- lead the team of WebSAFE software developers and GIS specialists to innovate on the open-source tool InaSAFE, and build the web app for impact calculation of natural hazard and exposure in specific areas in the Philippines
- presented WebSAFE in international and local conferences as a best practice in harnessing science and technology for disaster management
- AngularJS, Python, PostgreSQL

FULL TECH STACK

Python Nginx Nitro NodeJS SQL

@ing-web HTML CSS JavaScript
TypeScript Astro Angular Nuxt

NgRx Nx Webpack

Vitest Cypress Jest Jasmine ESLint

Leaflet QGIS OpenStreetMap

TECH TALKS



- Presented Elk, a Mastodon client, in the Social Web track



- Coven of Wisdom: Frontend Frameworks 2023 in Amsterdam, NL
- Presented Astro and its Islands Architecture as a new approach for Progressive Enhancement for web applications



- Presented WebSAFE as an online exposure and risk assessment tool during the Web and Framework track as a full talk



- Presented WebSAFE as a full talk in the WebGIS & Digital Earth track



- Presented WebSAFE as a scalable tool for disaster mitigation in the Web Development Special Track

Senior Front-End Engineer

Department of Science and Technology Project NOAH - WebGIS

📅 July 2014 - December 2015 📍 Metro Manila, Philippines

- introduced new technologies to upgrade v.1 of the **Project NOAH** web app
 - worked on the development of v.2 of the **Project NOAH** web app, a government-funded flagship real-time information platform to address the Philippines' disaster problems
 - contributed technical insight for valuable research output of the project
 - AngularJS, OpenLayers 3, NodeJS, SCSS, HTML 5, Typescript, Git, Github Issues, Github Projects, Python
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System Analyst

Information Technology Center, UPLB

📅 November 2011 - June 2014 📍 Laguna, Philippines

- lead developer for the maintenance and development of **DocuTrack**, the system for tracking the movement of all documents in the University of the Philippines Los Baños campus
 - implemented system design, produced software products, and participated in system analysis and design processes of different projects under the Center for various offices in the University
 - Java Server Pages (JSP), MySQL
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