

Aaron Lee N. Zamora

anzamora@up.edu.ph • github.com/aalenoza • [linkedin.com/in/aalenoza](https://www.linkedin.com/in/aalenoza) • [Portfolio Website](#)

Education

University of the Philippines Los Baños

Sep 2022 - Present

Bachelor of Science in Computer Science

Phi Kappa Phi International Honor Society Nominee | Top 7.5% of Juniors of the University of the Philippines

Experience

Ten X Development

May 2025 – Present

Software Engineer

Quezon City, Philippines

- Developed multiple projects that integrated AI into their core functionality, enhancing automation, personalization, and intelligent behavior.
- Collaborated with a team of developers to design systems built around agentic workflows, where autonomous AI agents could reason, plan, and execute multi-step tasks with minimal human input.
- Gained hands-on experience in integrating AI into modern web stacks, connecting frontend interfaces with backend services powered by AI models and orchestration logic.
- Contributed to building intelligent applications capable of task delegation, coordination, and adaptive behavior, pushing the boundaries of AI-enhanced software experiences.

Young Software Engineers' Society (YSES)

Oct 2023 – Present

Finance Department Member

- Oversaw and maintained accurate records of member contributions and organizational financial transactions, ensuring accountability and transparency.
- Played a key role in budget planning, fund allocation, and expense tracking for major organization-led events and initiatives.
- Supported the logistics of events involving financial transactions, including procurement, reimbursements, and payment coordination.

Ethos Bytes

May 2025 – Jul 2025

Software Engineer

Sydney, New South Wales, Australia

- Developed client-facing applications using React, Django, and React Native, tailored to meet specific business needs.
- Participated in end-to-end development processes including frontend design, backend logic, and API integration.
- Actively collaborated with designers, backend engineers, and QA testers to deliver high-quality and responsive applications.
- Optimized performance and user experience by refactoring codebases, introducing reusable components, and improving data flow logic.

Analytics & Artificial Intelligence Association of the Philippines (AAP)

Apr 2025 – Jul 2025

Web Developer

Bonifacio Global City, Taguig, Metro Manila

- Led a team of developers to integrate a new CRM system into the AAP website, improving member tracking, enhancing analytics capabilities, and modernizing client engagement workflows.
- Spearheaded the integration of a new CRM system into the AAP website, enhancing data collection, analytics capabilities, and overall user experience.
- Coordinated with stakeholders to gather requirements and ensure alignment between business goals and technical solutions.

Projects

Mazebank - Money Tracker (Progressive Web App)

Dec 2024 - Jan 2025

MongoDB, Express, React, Node.js, TailwindCSS

- Developed a full-stack application that helps users track incomes and expenses, transfer funds, and manage financial activities.
- Designed and optimized the backend database for seamless performance and efficient data management.
- Implemented authentication using cookies, WebSockets for real-time updates, and responsive UI for a better user experience.

MariaDB, Express, React, Node.js, TailwindCSS

- Developed and maintained the backend, ensuring seamless data management for food reviews and establishments.
- Developed API endpoints for food classification and high-rated reviews, improving data retrieval and filtering.
- Implemented sorting functionality to allow users to view food items from an establishment arranged by price.
- Optimized API requests by refining query parameters, including removing unnecessary fields for better efficiency.

MongoDB, Express, React, Node.js

- Designed and implemented the authentication system, ensuring secure user login and registration.
- Integrated backend authentication with the frontend, ensuring secure access to protected routes in both the frontend and backend.
- Contributed to frontend development and created the admin dashboard page for streamlined management.

R, Polynomial Regression, Quadratic Spline Interpolation, Simplex Method

- Developed a mathematical solver in R that integrates Polynomial Regression, Quadratic Spline Interpolation (QSI), and the Simplex Method for optimization problems.
- Built an optimization tool that selects the most cost-effective and nutritionally balanced food choices using the Simplex Method.
- Implemented Polynomial Regression and QSI to analyze trends and interpolate missing data points for accurate predictions.

Java, JavaFX

- Developed a turn-based card game using JavaFX, incorporating Rock-Paper-Scissors mechanics with strategic depth.
- Designed and implemented a system where players strategically choose and order three out of six available cards.
- Built a battle system where damage is calculated per round, reducing the opponent’s HP from 20.

Technical Skills

- **Programming Languages:** JavaScript, TypeScript, Python, Java, R, SQL
- **Technologies:** MongoDB, PostgreSQL, MariaDB, MySQL, Express.js, Node.js, Django WebSockets, JWT & Cookie-Based Authentication, REST APIs, Git & GitHub, Mongoose, RStudio, Docker, DBeaver
- **Web Development:** React.js, Next.js, Vite, TailwindCSS, HTML5 & CSS3, Responsive Design, Progressive Web Apps (PWA), API Development & Integration, UI/UX Optimization, Version Control (Git), Frontend & Backend Route Protection