

# Jake Bajenting

## Full Stack Developer

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### Education

Cebu, Philippines

Cebu Institute of Technology - University

- Bachelor of Science in Computer Science GWA: 4.66 / 5
- Awarded the prestigious **DOST-SEI Merit Scholarship** by the Department of Science and Technology (DOST).

### Work Experience

Full Stack Developer Volunteer

AI Pilipinas Cebu Chapter

Aug 2024 – Present

- Enhanced search functionality and filtering with dynamic queries and state management, leveraging **Sequelize** for database ORM, **Postgres** for robust querying, and **API integration** with **Express.js**.
- Developed authentication pages, job listings, and detail pages using **Next.js** to ensure a responsive and dynamic user interface.
- Created reusable **React** components for search and filtering.
- Integrated UI/UX designs into the application, converting high-fidelity mockups from **Figma** into functional interfaces.
- Optimised the codebase to reduce API calls, improving performance and scalability.
- Conducted comprehensive testing of **API** endpoints using **Postman**, validating request and response cycles to ensure accuracy and reliability.
- Collaborated in **Git** workflows, rebasing branches, creating pull requests, merging code, and conducting code reviews, contributing to a **15% faster development cycle**.

Web Developer Volunteer

Argao National High School

Jan 2024 – April 2024

- Developed and implemented "ANHSLINK," a comprehensive educational web portal designed to enhance communication, streamline administrative processes, and improve access to digital learning resources for students, teachers, and parents at Argao National High School.
- Designed and developed the portal using **Django** for backend development and **JavaScript**, **HTML**, and **Tailwind CSS** for the frontend.
- Implemented features including a digital library, announcement board, and interactive forums to enhance user experience and engagement.
- Developed a centralized digital repository for uploading, organizing, and accessing learning materials, using Django's **ORM** to interact seamlessly with the **SQLite** database.
- Ensured the system's security with **Django's** built-in protections against **SQL** injection, cross-site scripting (**XSS**), and cross-site request forgery (**CSRF**).
- Evaluated the portal using ISO 9126 and TAM, achieving a **92% satisfaction rate** from end-users in terms of usability and performance.
- Deployed the portal on **PythonAnywhere**, ensuring secure access and system availability with no hosting costs.

### Projects

#### FLATAPS

<https://github.com/Cozyx213/FLATAPS>

- Developed a flashcard application, **FLATAPS**, aimed at helping students memorize the elements of the periodic table.

- Designed and implemented the backend using **Flask**, leveraging its lightweight and modular architecture
- Built an interactive and user-friendly interface using **HTML**, **JavaScript**, and **Tailwind CSS**, prioritizing usability and aesthetics
- Implemented a leaderboard system to foster a sense of competition and motivation among students.
- Communicated effectively with diverse users, including students using the **FLATAPS** application, to provide support, gather feedback, and ensure their needs were addressed through features like the leaderboard system and interactive flashcards.

## Technical Skills

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- Languages: Python, Javascript/HTML/CSS, Typescript, SQL,
- Frameworks and Libraries: Flask, Django, Node.js, Next.js, Express.js, React, Tailwind CSS
- Tools: Git, Jira, GitHub
- Hobbies: Chess, Leetcode, Computers, Video Games, Cooking, Volunteering, Tutoring