Adrian Miguel R. Cena

Software Developer

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in https://www.linkedin.com/in/adrian-cena   🔗 https://adriancena.vercel.app/

github https://github.com/adrcena221

Profile

Computer Engineering graduate specializing in web and software development, as well as application-layer security, with hands-on experience building projects. Developed a client-centered security protocol for Piso WiFi systems as a thesis project. Seeking a **junior software engineer or web developer role** where I can contribute to real-world systems and grow production experience

Professional Experience

Software Developer R&D Intern, *Advanced World Solutions Inc.*   Oct 2025 – Feb 2026
Developed an AI-Powered Email Automation System that gets the intent of an email   Cebu City, Philippines
and automates the actions set by the user. Developed using ReactJS, NodeJS, and
MongoDB with Azure as the AI.

Projects

Client-centered Application Layer Security Solution for Piso WiFi System, *Thesis for developing a security protocol to a Piso-WiFi machine on the application layer using HTML, CSS, Python, Django, Rasp Pi, and Kali Linux*
- Designed and implemented a security protocol that is formally verified and analyzed using Scyther and BAN Logic
- The developed security protocol mitigated the attacks from MAC changers and Fake AP Cloning during beta testing. Resulted in an 100% attack mitigation rate on all instances of attacks

Inventory System,
A simple inventory system made for a auto mechanic shop. Made with React, Typescript, NodeJS, and MongoDB
- Inventory, suppliers, and orders are all saved in a database. Increased the efficiency of saving data for the shop at 80%
- Provided data and analytics on sales and purchases, reducing the time of manual calculation by 40%
- Stores 1000+ pesos worth of products in a single database using CRUD operations

Email Scraper with AI and Playwright Automation, *AI-Powered Email Automation System*
- Designed and developed an AI Email Automation utilizing Azure for AI and Playwright for Automation
- Used programming techniques and solutions with AI that support automated actions of exporting data of 100+ employees' time logs

Scan.ly, *Scan QR code on products in stores to reveal stocks, models, description, price, and etc. Made with ReactJS and Firebase*

Personal Porfolio, *Personal portfolio website developed with React using TypeScript*

Link Tree Website, *A personal link tree made with ReactJS using TypeScript*

Temperature, Humidity and Soil Moisture Detector,
Made by using Assembly with PIC, DHT11 sensor, and a soil moisture sensor

Education

Senior High School STEM Diploma, *University of San Carlos - Talamban Campus*

06/2019 – 05/2021
Talamban, Cebu City,
Philippines

Elementary Diploma and High School Completion, *St. Joseph's School of Mactan*
- Academic Distinguish Awardee (2019)

2009 – 2019
Lapu-Lapu City, Cebu
City, Philippines

BS Computer Engineer, *University of San Carlos - Talamban Campus*

Feb 5, 2026
Talamban, Cebu City,
Philippines

Certificates

JavaScript Essentials 1
Offered by Networking Academy
through the Cisco Networking
Academy Program

**TypeScript Variables and Data
Types**
Project Certificate authorized by
Coursera Project Network and
offered through Coursera

**Google Developer Student
Clubs (GDSC) San Carlos
Member Certificate**
Certificate of my esteemed
membership of GDSC San Carlos

Skills

ReactJS — Proficient

JavaScript — Proficient

TypeScript — Proficient

Python — Proficient

Django — Proficient

HTML and CSS — Proficient

C/C++ — Competent

PHP — Competent

NodeJS — Proficient

MongoDB — Proficient

MS Graph API — Competent

Google Cloud Gmail API — Competent

TailwindCSS — Proficient