

# Hanielle Jermayn E. Chua

+639939355665 | chua.haniellejermayn@gmail.com | Malate, Manila | [haniellejermayn-portfolio.vercel.app](https://haniellejermayn-portfolio.vercel.app)

## **EDUCATION**

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### **De La Salle University - Manila**

2023 – present

*BS Computer Science - Major in Software Technology*

- **CGPA:** 3.947 (Summa Cum Laude Standing)

- **Awards:** Consistent 1st Dean's Lister

## **TECHNICAL SKILLS**

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- **Frontend:** React, Next.js, Angular, Tailwind CSS
- **Backend:** Node.js, Express.js, MongoDB, MySQL
- **Languages:** JavaScript, TypeScript, Python, Java, SQL
- **Tools:** Docker, GitHub CI/CD, Jira, Postman, Cypress

## **WORK / INTERNSHIP EXPERIENCE**

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### **JJ Apartments (Independent Client Project)**

September 2025 – December 2025

*Product Owner & Technical Lead*

- Led a 7-member Agile team, managing sprints and feature development for a property management app.
- Built a CI/CD pipeline and deployed Next.js, Spring Boot, and MySQL services across Vercel and Render.
- Delivered multiple new app features, strengthened authorization, and improved system reliability.

### **Aboitiz Foundation Inc.**

August 2025 – October 2025

*Impact Jobs Intern*

- Coordinated beneficiary monitoring and labor market research for 275+ program graduates.
- Produced impact analysis and evaluator recommendations supporting workforce development initiatives.
- Designed brochures and handbooks used for program communication and outreach.

### **Sharelife Consumers Cooperative (Client Project via DLSU)**

May 2025 - August 2025

*Quality Assurance (QA) & Developer*

- Developed 100+ test cases and end-to-end tests using Cypress for DBMS admin application reliability.
- Fixed critical frontend bugs and implemented features using Next.js, TypeScript, and Supabase.

### **Bids n Buys**

February 2025 – July 2025

*Junior Blockchain Developer (Started as Intern)*

- Developed a crypto wallet prototype in Angular, with unit and E2E tests using Jest and Cypress.
- Built a serverless TypeScript API on AWS Lambda with MongoDB and Akaunting for e-commerce invoicing.
- Set up and managed Cardano nodes via Docker Swarm on remote Linux servers.
- Built a crypto funding system using Docker child processes and MongoDB for transaction handling.
- Created a Merkle-proof verification system that submits hashes to the Cardano blockchain for integrity.

## **PERSONAL & ACADEMIC PROJECTS**

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### **Kasama (Mobile Application)**

[github.com/haniellejermayn/kasama](https://github.com/haniellejermayn/kasama)

- Developed a Kotlin-based Android app for managing shared chores and notes within households.
- Built an offline-first MVVM architecture with Room, Firebase sync, and WorkManager background tasks.

### **Personal Portfolio Website**

[haniellejermayn-portfolio.vercel.app](https://haniellejermayn-portfolio.vercel.app)

- Created a responsive portfolio website using Next.js, React, and Tailwind CSS to showcase projects.
- Used Framer Motion for smooth page transitions and shadcn/ui for accessible, styled UI components.

### **IMDb Analytics Platform (OLAP Application)**

[github.com/haniellejermayn/IMDb-OLAPApplication](https://github.com/haniellejermayn/IMDb-OLAPApplication)

- Built a Python ETL pipeline processing 150M+ IMDb records into a MySQL data warehouse under 3 hours.
- Developed a Flask and JavaScript application to visualize film industry analytics from the OLAP database.