Darl Shanen G. Floresca

Information Technology Student | Full-Stack Developer | TypeScript & Next.js
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EDUCATION

Bulacan State University
Bachelor of Science in Information Technology *Aug 2025 – Apr 2029*

EXPERIENCE

Edukasyon.ph Alabang, Muntinlupa
Technical Community Officer *July 2026 – Nov 2026*

- Support a 60-scholar AWS re/Start cohort across a 12-week program, managing attendance and participation records, scholar communications, concerns, and follow-ups across virtual and face-to-face sessions.

PROJECTS

Escapture Oct 2026
Lead Developer, Team Echelon (LearnPossible 2 AI Hackathon Challenge) *github.com/shnflrsc/escapture*

- Developed a full-stack platform for Bulacan State University students to preserve cyberbullying evidence and escalate it to school case reviewers, using Next.js, React, TypeScript, PostgreSQL, Drizzle ORM, and Better Auth, with role-based access for students, reviewers, and administrators.
- Built a Manifest V3 Chrome extension that refuses tampered Facebook and Messenger pages and saves captures to a private vault with SHA-256 hashes and server-recorded timestamps, deployed on Vercel.

BetterMeycauayan Aug 2026

- Developed an open-source civic technology platform centralizing 159 local services—including 151 Citizen's Charter services and 8 community services—into a searchable, accessible interface.
- OCR-processed and cataloged 71 ordinances, resolutions, and executive orders, enabling residents to access local government services, requirements, procedures, offices, and public records digitally.

BulSU MSC Website Feb 2026

- Developed an authentication and account management system supporting member registration, password recovery, and role-based access for administrators, officers, and members using PHP and MySQL.
- Implemented session-based authentication with bcrypt password hashing, middleware-based authorization, server-side validation and sanitization, and standardized REST API responses within an MVC-inspired architecture.

LEADERSHIP

AWS Student Builder Group - BulSU
Skill Builder Chairperson *May 2026 – present*

- Lead technical skill-development initiatives as Skill Builder Chairperson, designing hands-on learning activities focused on AWS cloud technologies and web development.
- Coordinate Skill Builder Department Heads and Co-Heads in planning and delivering technical workshops that translate cloud and software development concepts into practical exercises.

BulSU Microsoft Student Community
Technical Support *Dec 2025 – present*

- Supported technical community initiatives including the Microsoft Campus Copilot Activation Program and hands-on student workshops, while contributing to the development of the organization's web platform.

SKILLS

Languages: TypeScript, PHP
Frontend: React, Next.js, Tailwind CSS
Backend: REST APIs, Drizzle ORM, Better Auth, Zod
Databases: PostgreSQL, MySQL
Tools & Deployment: Vercel, Docker, Vitest, Chrome Manifest V3, esbuild