

ETHAN OWEN TARUC

SOFTWARE ENGINEERING RESUME

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Computer Science student and full-stack developer who builds portals, workflow tools, and data-backed systems for real operations.

- BSREM Student Portal live in production
- Client system delivered end to end
- 460 internship hours across two companies
- BS Computer Science, expected May 2027

EXPERIENCE

Co-Founder and Developer

Apr 2026 to present

Keth AI | Pasig, Metro Manila

TypeScript · Next.js · PostgreSQL · Client delivery

- Build custom operational software for small businesses and educational institutions, including portals, inventory systems, POS workflows, and internal management tools.
- Translate client and institutional workflows into scoped interfaces, data structures, and delivery plans.

Full Stack Engineer Intern

Jul 2026 to Aug 2026

Philippines Center for Real Estate Professional Studies | Pasig, Metro Manila | 160-hour internship programme

Next.js · TypeScript · PostgreSQL

- Developed the BSREM Student Portal, a live system covering student, faculty, and administrative workflows.
- Structured role-aware navigation so each type of user reaches only the work relevant to them.

Revenue Operations Intern

May 2026 to Jul 2026

Sprout Solutions | Mandaluyong, Metro Manila | 300-hour internship

Full-stack prototype · Data validation · Process documentation

- Built an internal full-stack prototype to support a Revenue Operations workflow as the internship final project.
- Reviewed and cleaned operational records, supported data validation, and documented recurring processes.

SELECTED PROJECTS

BSREM Student Portal

2026

Production system

Next.js · TypeScript · PostgreSQL

- Built role-aware student, faculty, and administrative workflows for an education provider, now running in production.

The Happy Cookie Ops

2026

Delivered client system

TypeScript · Offline-first · Inventory · Bookkeeping

- Delivered a two-sided system for a bakery: a customer storefront with weekly drops and collection slots, and an ops application covering orders, payment review, bake planning, four-stage inventory, purchasing, and profit and loss.

Emerging Business Opportunity Score

2026 to present

Thesis, research in progress

Python · Node.js · BERT · NLP · Clustering · SQL

- Contribute to a three-person system for collecting, clustering, and evaluating trend signals; no final accuracy or business outcome is claimed.

Seam Carving Algorithm

Academic project

Python · Dynamic programming · Image gradients

- Implemented per-pixel energy from image gradients, connected low-energy seam search by dynamic programming, and iterative content-aware resizing.

EDUCATION AND CREDENTIALS

Bachelor of Science in Computer Science

Aug 2023 to May 2027, expected

Ateneo de Manila University | Quezon City, Metro Manila | Enterprise Systems specialisation

Senior High School, STEM

Class of 2023

Arellano University, Andres Bonifacio Campus | Graduated with Highest Honors

- Valedictorian of the Andres Bonifacio Campus Senior High School graduating class.

Revenue Operations Certified

Valid Jun 2026 to Jul 2027

HubSpot Academy

Participant, OpenAI Build Week Community Buildathon

Jul 18, 2026

Ateneo de Manila University, Manila

TECHNICAL SKILLS

Languages

TypeScript · JavaScript · Python · Java · C++ · SQL · HTML · CSS

Frameworks

Next.js · NestJS · Node.js · REST APIs · PostgreSQL

Practice

Git · GitHub · Vercel · Testing · Accessibility · Data structures · Algorithms · Databases · Enterprise systems