

RAILEY MITCHELL Q. CAPITIS

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PROFESSIONAL SUMMARY

A results-driven Full-Stack Software Engineer and Systems Administrator with hands-on experience designing, developing, and deploying multi-tenant web applications, mobile architectures, and secure server environments. Proven capability in building paperless digital migrations, DNS domain routing, email forwarding/aliasing setups, and custom server caching. Strong technical foundation in React/Next.js, Svelte 5, Flutter, Google Cloud APIs, and the Firebase hosting ecosystem.

EXPERIENCE

Pangasinan III Electric Cooperative (PANELCO III)

Urdaneta City, Philippines

Systems & Software Engineering Intern

Feb — May 2026

- **AI & Agentic Assisted Development:** Accelerated corporate software deliveries by orchestrating AI-assisted coding pipelines using agentic tools like Cursor and Higgsfield. Built custom prompt systems and structured API layers.
- **Full Stack Development:** Engineered and deployed next-generation corporate web portals, migrating traditional manual paper visitor logs to a secure, paperless digital tracking portal backed by a real-time SQL database.
- **Systems Administration:** Managed Active Directory networks, automated server updates, conducted database backups, and configured secure system permissions. Handled backend operations of the registration system for the 36th AGAM, successfully executing manual database syncs during primary server failover.
- **IT Technical Support (L1):** Provided client host diagnostic support, troubleshooting hardware, network configurations, and executing Microsoft OS/Office installations and reformats for PC units.
- **Graphic & Multimedia Design:** Designed official promotional layouts, employee ID cards, and custom multimedia assets, including the official stage backdrop and custom AI-generated animations for the company's 48th Anniversary celebration.

PRODUCTS & PROJECTS

Triage (B2B SaaS — In Development)

Apr 2026 — Present

Founder and Lead Engineer (Independent SaaS)

- Engineered a white-label, multi-tenant client engine for B2B agencies, enabling custom DNS routing for fully brand-isolated client portals and real-time tenant profile switching.
- Integrated a Vertex AI First-Responder to analyze tickets, generate agent handoff briefs, and automate priority escalations via real-time sentiment analysis.
- Built a smart queue routing engine with Round-Robin/Least-Loaded assignment and a color-coded SLA countdown visual heatmap based on dynamic time-to-breach scores.
- *Tech Stack:* Next.js 16 (App Router), React 19, Tailwind CSS v4, Firebase Client/Admin SDK, Vertex AI, Python, EmailJS, Custom DNS Routing.

Futari (B2C SaaS — In Development)

Jun 2026 — Present

Founder and Lead Engineer (Independent SaaS)

- Built a secure, multi-tenant B2C couples application featuring a cross-platform mobile interface.
- Implemented client-side image compression that converts camera/photo uploads into highly compressed WebP images pre-upload, protecting Firebase storage limits.
- Enforced strict database multi-tenancy at the query level to guarantee user data isolation, backed by custom Firebase Security rules.
- Created a double-blind memory journal and menstruation tracker that predicts hormonal phases and provides dynamic daily partner tips.
- *Tech Stack:* Svelte 5, Capacitor 8, Firebase Firestore, TypeScript, Tailwind CSS.

PANELCO III – Visitor Management System

Feb – May 2026

Sole Developer & Lead Engineer (Internal Enterprise Project)

- Architected a hybrid system comprising a native Flutter (Android) guard client and a Next.js PWA for 100+ host employees, slashing visitor processing times from minutes to under 5 seconds.
- Engineered an offline-first storage layout using sqflite and connectivity listeners, buffering logs locally during network drops and executing background transactional batch syncs once connection is restored.
- Implemented a real-time two-way acknowledgment handshake via a backend API, letting host employees approve entry, schedule holds, or decline visits directly from their workstations with instant guard-tablet updates.
- Hardened system security with geofenced subnet enforcement (restricting app operations to the private 10.x.x.x network range), a 60-second background role check heartbeat, and a custom SQL audit log tracking all admin actions.
- Integrated Gemini 2.5 Flash and ML Kit OCR for structured document parsing, combined with a client-side A6 PDF generator for on-demand thermal receipt printing and digital QR-code pass delivery.
- *Tech Stack:* Flutter, Dart, Next.js, TypeScript, PHP, MySQL, Google Gemini, ML Kit, SQLite, TailwindCSS.

Some Typing Game (In Development)

Mar 2026 – Present

Sole Developer & Creator (Independent Game Project)

- Created a high-octane HTML5 Canvas speed-typing game featuring complex physics, boss encounters, and an anomaly event mutator system. Optimized database reads by implementing client-side caching to handle heavy traffic.
- *Tech Stack:* Vanilla JavaScript, HTML5 Canvas API, Node.js backend, Firebase Firestore.

TECHNICAL SKILLS

- **Frontend & Mobile Technologies:** Next.js, React, Svelte 5, Flutter, Dart, TypeScript, JavaScript, Tailwind CSS, HTML5 Canvas, Capacitor Mobile Bridge
- **Backend & Databases:** Node.js (raw API routing), Firebase (Auth, Firestore, Cloud Functions, Hosting, App Hosting), GCP (Tenants/IAM, Agent Platform API), PHP API, MySQL, SQL Server
- **Systems Administration:** Active Directory administration, Network Diagnostics, server automation updates, (Domain purchase, CNAME/MX/TXT configurations), Email Forwarding, Gmail Aliasing, server backups & recovery, Microsoft OS & corporate suite deployments
- **Tools & Platforms:** Git, Figma (UI/UX design), Agentic AI tools (Antigravity, Cursor, Higgsfield AI), LLM workflows, Resend, EmailJS

EDUCATION

Bachelor of Science & Information Technology

Pangasinan State University – UCC

Major in Web and Mobile Technologies

2022 – 2026

- Specialized coursework in mobile environment compilation, database management systems, systems architecture, and cybersecurity principles.

CERTIFICATIONS

Career Service Professional Eligibility (CSE-PPT Professional Level Exam)

Mar 2026

Civil Service Commission (CSC), Republic of the Philippines

13th TOPCIT Certification (Level 3 - Competent)

Dec 2025

IITP / Republic of Korea & DICT

12th TOPCIT Certification (Level 2 - Advanced Beginner)

Jun 2025

IITP / Republic of Korea & DICT