FYKE SIMON V. TONEL

Metro Manila, Philippines | 0961-575-4156 | fyketonel22@protonmail.com | fykelabs.vercel.app

Education

STI College Caloocan   2022 – Present
Bachelor of Science in Computer Science   Caloocan City, Metro Manila

- Current Cumulative GWA: 1.27
- Best Thesis, Bachelor of Science in Computer Science (Campus-wide – ICTE Symposium), 2024-25
- Best Methods of Research Project, Bachelor of Science in Computer Science (Campus-wide – ICTE Symposium), 2024–25
- Entrant, Codefest (Local – Tagisan ng Talino), 2024–25
- President's Honor (STI Academic Center – Academic Honors), 2022 – Present
- Alumni Scholar (Awarded for High Honors in Senior High; 50% scholarship in college)

Projects

Revo: Productivity & Study Companion Application   December 2025
React, Next.js, TypeScript, Tailwind CSS, Supabase, PostgreSQL, Spotify Web API
Lead Developer

- Developed a productivity application featuring an integrated calendar, note-taking system, and study-focused timer.
- Implemented multiple learning techniques including Pomodoro, 52/17, Deep Work, Short Burs, and custom study cycle configuration.
- Integrated Spotify Web API to allow users to sync and stream their personal music libraries within the app.

Locker: Advanced Media Hiding & Security Application   November 2025
Flutter, Dart
Lead Developer

- Developed a secure media-hiding application allowing users to conceal pictures, videos, and documents with AES encryption.
- Implemented a decoy file system to thwart unauthorized access attempts and brute-force attacks.
- Designed an auto-kill feature to terminate the app when it moves to the background, enhancing privacy protection.

PASADA: Ride-Hailing & Fleet Management Ecosystem   December 2024 – November 2025
Flutter, TypeScript (Bun/Deno), React, Supabase, Google Cloud Platform
Lead Full-Stack Developer

- Architected a modernized public transport solution interconnecting four distinct applications: Pasada Passenger, Pasada Driver, Pasada Admin, and the Pasada Official Website.
- Engineered a custom analytics pipeline for the Admin Dashboard that provides 7-day predictive forecasts for both cooperative booking frequency and the route traffic.
- Integrated the Gemini API within both Passenger and Admin applications to interpret complex, in-house predictive and real-time traffic data into easily digestible, actionable, summaries for users and fleet managers.
- Developed the Passenger and maintained the Driver mobile applications using Flutter, featuring real-time, Google Maps-sourced traffic analytics for optimized routing and planning.
- Built the official website using Next.js and Tailwind CSS, featuring a live public ride-tracker implemented with MapLibre GL JS and OpenStreetMaps.

Skills

Languages: TypeScript, Dart, JavaScript, SQL
Databases/Runtime/Tools: PostgreSQL, Supabase, QuestDB, Bun, Deno, Node.js, Git, GitHub
Cloud/Backend/AI: GCP, Firebase, Express.js, Fly.io, Gemini API
Frontend/Mobile: Flutter, React, Next.js, Tailwind CSS, MapLibre GL JS