Steven Tanuwidjaja

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EDUCATION

UNIVERSITY OF WOLLONGONG (SIM GLOBAL EDUCATION) Singapore, SG
Bachelor of Computer Science Oct 2024 – Oct 2027 (Expected)

- Major in Big Data, Cybersecurity and AI
- Weighted Average Marks: 79.4/100 (Distinction average)
- Relevant Coursework: Algorithms & Data structures; Advanced Programming; Object-oriented design & programming; Database systems; Generative AI; Modern AI; Ethical hacking

TECHNICAL PROJECTS

THORFINITY – TIKTOK LIVE-STREAMING TOOL Apr 2026 – Present
Go, PostgreSQL, Redis, React, TypeScript, Node.js, Midtrans | Team of 2

- Built the monetization layer with 4 purchasable packs and add-ons, each with its own monthly and annual billing and limits
- Built automatic recurring billing for credit/debit cards or GoPay with Midtrans webhooks, while keeping charges idempotent
- Built Google and Discord sign-in with OAuth 2.0 in Go
- Added rate limiting and expiring hash tokens in the sign-up flow
- Allowed TikTok chat commands to request songs on a live-streamer's Spotify queue using the Spotify web API
- Found and fixed a bug that over-counted viewer gifts by 51%, making leaderboards and gift goals accurate

LICENSE MANAGER – DIGITAL RIGHTS MANAGEMENT TOOL Feb 2026 – Present
Go, PostgreSQL, React, TypeScript, Tailwind CSS, Docker

- Solo built a DRM system that encrypts Windows games once with AES-256-GCM, and binds each license key to the hashed Windows machine ID of one PC
- Built a Go launcher that decrypts the encrypted game files, and a Go helper process that deletes the decrypted files when the launcher closes
- Added a 30-second heartbeat that closes the program if the license is revoked
- Wrote 235 Go tests, including real-database and end-to-end browser tests

MICROSOFT AZURE AI LOGISTICS TOOL – HACKEXPERIENCE 2026 Jul 2026
React, shadcn/ui, Go, PostgreSQL, Azure AI | Team of 4

- Built the React frontend, Go backend and PostgreSQL database of an e-commerce logistics tool in a 24-hour hackathon
- Connected the backend to Microsoft Azure AI's orchestration layer and AI agents

NEWS GROUP FORWARDER – TELEGRAM BOT Oct 2025 – Dec 2025
Python, Telethon | github.com/steventanu57/GroupForwarder

- Solo built a Telegram bot that can forward new messages automatically from multiple groups I followed into my own group

CRYPTOCURRENCY WALLET TRACKER – TELEGRAM BOT Jun 2025 – Nov 2025
Python, python-telegram-bot, Hypurrscan API | github.com/steventanu57/WalletTracker

- Solo built a Telegram bot that can look up wallet addresses on Hyperliquid, store custom wallet aliases, and look up any token's top holders

ACTIVITIES

INDONESIANS IN SIM (INSIM) Singapore, SG
Commerce and ticketing subcommittee Aug 2026 – Oct 2026

- Led a group of 10 new students in a welcoming party
- Organized icebreaking events

SKILLS

Programming Languages: Go, Python, TypeScript, JavaScript, SQL, HTML/CSS, C++, Java
Frameworks & Tools: React, Tailwind CSS, Node.js, PostgreSQL, Redis, Docker, Git, GitHub Actions
Concepts: REST APIs, OAuth 2.0, CI/CD, Automated Testing, Encryption
Languages: Fluent in English and Bahasa Indonesia; Basic Japanese (NAT-TEST 5Q, JLPT N5 equivalent) and Chinese