

THITAT AUAREESUKSAKUL

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PROFILE

Bangkok-based Communication Arts graduate. **Completely self-taught developer**, started coding in 2012 with PHP then moved to Python, C++, and Typescript as main development languages. Currently learning Rust, Java, and Go. Very familiarized with command-line tools and Linux environments. Dedicated to writing clean, readable, maintainable code and using [efficient tooling and configuration](#) when it comes to software development.

KEY SKILL AREAS

Python (web-backend and general scripting), **C++** (for low level and/or high-performance applications)
Modern Web Frontend stack (HTML5, SCSS/CSS, JS), **Modern JS Ecosystem** (Node, TypeScript, Webpack, React)
MySQL/MariaDB, PostgreSQL, SQLite, and Python ORMs (SQLAlchemy, Django)
Docker, CI/CD, Git, Github Workflows, VIM editor, Bash, Linux/Unix environment, and networking stack.

EDUCATION

Bachelor of Arts - Communication Arts, Motion Pictures and Still Photography

Grad. 2021, 3.18 GPA, Chulalongkorn University — Bangkok, Thailand

Native/Bilingual proficiency in Thai and English languages

EXPERIENCES

Software-related projects since 2017 — <https://github.com/fluxth>

QR Menu Site/CMS for [a restaurant](#) — freelance, closed-source :(— Docker, nginx, Python (Django), PostgreSQL

- CMS managed, dynamic menu website for QR-scans by restaurant customers
- Full i18n multi-language support, both content and interface texts for foreign customers
- Responsive and mobile-friendly frontend built using Twitter Bootstrap and custom CSS

RadioLogger5 [github/RadioLogger5](#) — Python (Daemon/Backend), React/Redux (Web UI), PostgreSQL

- Multithreaded logging daemon for collecting song history played by multiple radio stations
- Web UI written in React with Flask backend to display logged items and their rankings
- Map logged songs to Spotify tracks and create new Spotify playlists each month — [example playlists](#)

FaceFilterWebApp [github/FaceFilterWebApp](#) — Docker, nginx, Python (Flask/uwsgi), SQLAlchemy, jQuery

- Web-based image processor, automatically applies PNG filters to AI-detected faces in user-uploaded photos
- Formerly 'ComEngEss' - Chula's CE Course's final project, a collaborative group project
- Automated Docker containerization and deployment process for speedy deployment

fluxrename [github/fluxrename](#) — C++ (Qt)

- Batch rename GUI utility for macOS. Easy to use, able to recursively process filenames (normally or with regex)
- Was created during university thesis to ease the film post-production workflow in processing media filenames

fluxbitc [github/fluxbitc](#) — Python

- Burn-in timecode and video conversion command-line utility for post-production proxy makers
- ffmpeg wrapper with JSON configuration to efficiently burn-in and encode video proxies during film editing
- Was created during university thesis to make film editing workflow more efficient

pi-fm-mpx [github/pi-fm-mpx](#) — C (Embedded Linux)

- Software FM transmitter on Raspberry Pi, a fork of [Pi-FM-RDS](#) to enable raw MPX input for FM transmission

clocksw [github/clocksw](#) — Rust (Embedded Linux), Python (Bitmap font generation)

- Most digital wall clocks are too small, so I made my own Raspberry Pi Zero powered "RGB LED Matrix wall clock"
- A DIY hobby project made happen because I like waking up knowing the time without picking up the phone

fluxplayer [github/fluxplayer](#) — C++ (Qt)

- A music player for Windows created using un4seen BASS audio library. Was created as a hobby project in 2020
- Multiple player decks, radio-like crossfade functionality, EBU R128 volume normalizing and level meters