KYAW MYO HTET

Full-Stack Product Engineer · React · Node / TypeScript · Python

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Burmese (native) · English (fluent) · Thai (basic) · available immediately · ED Plus visa → Non-B in-country · sponsorship required

PROFILE

BSc (Hons) Computer Science (University of Sunderland, UK — 2:1, 2025). Designed, built and operated three production systems solo: a 400-lesson React/Node learning platform with 3,392 exercises and 1,206 audio assets, an open-source C++/Python virtual-camera bridge with a CI release pipeline, and a PyTorch forecasting service benchmarked against the official NHC forecast. Strong on the unglamorous parts — migrations, audit gates, smoke tests, rollback notes. Bangkok-based, available immediately; work-permit sponsorship required.

TECHNICAL SKILLS

- **Languages** TypeScript, JavaScript, Python, C++, SQL, Java, C#
- **Front end** React, Vite, responsive UI systems, inline SVG illustration systems, Web Speech API, axe-core accessibility testing
- **Back end & data** Node.js, Fastify, grammY, REST API design, WebRTC (aiortc), FastAPI, SQLite, Convex, schema and migration design
- **Platform** Docker, docker-compose, GitHub Actions CI, Cloudflare Pages/Workers, Linux VPS, health checks, backups, reverse proxy
- **Quality** Node test runner, Playwright, axe-core, production smoke tests, content and audio-provenance audits, 236 automation scripts

SELECTED PROJECTS

BurmeseLingo MINI — Burmese-first English learning platform (web + Telegram Mini App) 2026

Solo creator and operator — 129 commits across 10 weeks.

- **Designed and shipped** an 80-unit journey across four Burmese landscapes: 400 lessons (279 graded-path), 3,392 authored exercises, 1,206 audio clips, plus streaks, XP, 27 badges and weekly leagues.
- **Built the full stack** React + Vite front end, Fastify + grammY TypeScript server, Convex as the first source-of-truth slice with a SQLite rollback mirror, and a Docker deployment with health checks, backups and a written rollback runbook.
- **Redesigned for the real user** replaced English-assumption UX with Burmese-first prompts, a hand-drawn inline SVG illustration system, and recorded audio with browser text-to-speech fallback.
- **Enforced quality with tooling** 236 automation scripts: an axe accessibility gate (zero serious or critical violations), audio-coverage and voice-consistency audits, a curriculum integrity check, an art-quality gate and a production smoke test.

PocketLens — Open-source iPhone-to-Windows virtual webcam (MIT) 2026

Public repository and release: github.com/max2o69/pocketlens

- **Engineered a hybrid Python + C++ pipeline** an aiortc WebRTC receiver paired with a custom DirectShow COM filter registered as a real Windows capture device, so Zoom, Teams and Meet detect it as an ordinary camera.
- **Solved delivery and privacy constraints** 1280×720 output with a JPEG fallback where WebRTC cannot traverse; local-network only, no cloud relay, dashboard bound to localhost.
- **Released through CI** GitHub Actions builds Windows and source archives with SHA-256 checksums; documented setup, diagnosis, firewall scoping and removal paths for non-technical users.

Storm Path Prediction — Bayesian-RNN tropical cyclone track forecasting service 2025–26

Research-grade ML system with a frozen evaluation protocol.

- **Trained basin-specific ensembles** variational-RNN and GRU/MLP models on IBTrACS — 83,565 sequences from 3,628 storms (1980–2024), 72 GPU fits across four rolling-origin folds.
- **Built a serving layer that refuses to over-claim** FastAPI with a reliability-first policy that falls back to motion baselines whenever held-out backtests show the neural model is not better; shipped 40 test modules and deployment-readiness checks.
- **Ran a frozen benchmark and reported the loss** the official NHC forecast beat the model at 12–48 hours, so the artifact was deliberately not promoted. A second 72-fit architecture family failed a pre-registered 2% advancement gate and was rejected.

EDUCATION

BSc (Hons) Computer Science — University of Sunderland, United Kingdom Completed 2025

Second Class Honours, First Division (2:1) · Advanced Artificial Intelligence 80/100 · Android Systems & Mobile Development 72/100

Information Science & Technology — University of Technology (Yatanarpon Cyber City), Myanmar 2015–2020

Four years of undergraduate coursework, not completed · GPA 4.35 / 5.00 · Operating Systems, Networks, Software Engineering, Databases, System Architecture

OTHER EXPERIENCE

Owner-Operator, Retail Clothing Shop — Independent business, Thailand 2022–2023

Ran a small clothing shop end to end — supplier sourcing, pricing, stock control, cash handling and direct customer sales.

Independent Trader, Digital Assets — Self-directed 2020–2022

Traded independently through the COVID lockdown period, managing own capital, risk limits and record-keeping.