

SAW KAUNG SET HEIN

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PROFESSIONAL PROFILE

Full-stack software engineer and MSc Artificial Intelligence student at Nottingham Trent University, seeking a 12-month placement year starting Summer 2026. 3+ years of industry experience delivering production-grade applications for international clients in the UK, Germany, and Myanmar. Proven record of boosting system performance by up to 50% and improving user engagement through scalable, AI-powered web and mobile solutions. Strong background in Python, React, Node.js, and cloud deployment (AWS). Eligible to work full-time in the UK on a Student visa.

WORK EXPERIENCE

React Native Developer | [Kewordal \(EdTech\)](#) | United Kingdom Oct 2025 – Present

- ▶ Built core mobile features using React Native, Expo, and TypeScript for a live EdTech learning platform serving real users.
- ▶ Designed reusable UI component library and onboarding screens, improving interface consistency by 30%.
- ▶ Resolved cross-platform rendering issues across iOS and Android, improving cross-device performance and stability.
- ▶ Reduced UI duplication and bug count by refactoring shared components, improving overall developer workflow.

Full-Stack Developer | [MY WAY Global – Travel & Tour](#) | Remote (Myanmar) Oct 2023 – Oct 2025

- ▶ Boosted system efficiency by 40% through optimised Next.js architecture, server-side rendering, and caching strategies.
- ▶ Achieved 99% system reliability by implementing full Jest and Selenium test coverage across all core user flows.
- ▶ Improved user engagement — 25% higher dwell time and 15% more conversions — through data-driven UX redesign.
- ▶ Cut page load time by 30% using React lazy loading, image compression, and asset optimisation techniques.

Full-Stack Developer | [Ainu Sushi Kriftel](#) | Remote (Germany) Jun 2023 – Oct 2025

- ▶ Developed GDPR-compliant web application with OAuth 2.0 authentication and AES-256 encryption (Node.js).
- ▶ Reduced website load time by 50% via Webpack bundle optimisation, React code splitting, and GSI performance tools.
- ▶ Lowered infrastructure costs by 30% by migrating on-premise services to cloud-based AWS architecture.
- ▶ Eliminated critical memory leaks using profiling tools, significantly improving long-session app stability.
- ▶ Secured APIs with JWT token management, reducing data breach risk by 40%.

KEY PROJECTS

LIFE.LY – AI Meal Planner | [Hackathon Project](#) | Nov 2025

- ▶ Built full-stack AI app generating personalised daily meal plans using GPT-4o and CalorieNinjas nutrition API.
- ▶ Implemented macro calculation engine, ingredient filtering, and dynamic grocery list generation.

Prime AI – Crypto Analytics Platform | [Personal Project](#) | May 2024

- ▶ Engineered a live market dashboard with AI-powered liquidity analysis, wallet tracking, and social sentiment analytics.
- ▶ Integrated multiple exchange APIs and ML models for real-time price trend prediction.

Video Conferencing App | [Personal Project](#) | Feb 2024

- ▶ Built a Next.js + TypeScript platform with Stream.io for real-time video, screen sharing, and in-session chat.

Job Portal | [Personal Project](#) | Jan 2022

- Delivered full-stack job portal with JWT auth, real-time notifications, and search — built with React, Node.js, MongoDB.

EDUCATION

MSc Artificial Intelligence Nottingham Trent University, UK	Sep 2025 – Present
<i>Placement year route: 2-year programme including 12-month industry placement (NTU-approved).</i>	
BSc Computing Edinburgh Napier University, Scotland	2021 – 2024
Higher National Diploma (HND) Info Myanmar University, Myanmar	2021 – 2023
Higher National Certificate (HNC) Info Myanmar University, Myanmar	2019 – 2021

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, PHP, Java, HTML5/CSS3
Frontend: React, Next.js, React Native, Tailwind CSS, Bootstrap, Expo
Backend: Node.js, Express.js, FastAPI, Socket.io, REST APIs
AI / ML: GPT-4o API, Machine Learning, Prompt Engineering, Data Analytics
Databases: PostgreSQL, MongoDB, MySQL, Firebase
Cloud & DevOps: AWS, Docker, Git, CI/CD, Webpack, Vercel
Security: JWT, OAuth 2.0, AES-256, GDPR compliance
Testing: Jest, Selenium

CERTIFICATIONS

Introduction to Generative AI – Google Cloud Skills Boost

LANGUAGES

Burmese (Native) • English (Professional) • Mandarin (Beginner) • Italian (A2)

REFERENCES

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