Hein Thuya (Henry) Win

Full-Stack Developer | ICT Undergraduate

CONTACT

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in Linkedin   ○ Github   💼 Portfolio

EDUCATION

Rangsit University   Bachelor of Science in Information and Communication Technology, First Class Honors

- Relevant Coursework: Object-oriented Programming, Data Structures and Algorithms, Full-stack Web Development, Database Management, System Analysis and Design, Data Communications and Networking, Information Assurance and Security, Cloud Computing, Data Warehouse and Data Mining, Games Design and Programming, AI and Intelligent systems, Machine Learning.
- Activities: Peer Mentor at RIC Language Center

EXPERIENCE

AI Prototyping Engineer   **Feb 2026 - Mar 2026**

Newl App   Contract | Remote

- Built a full-stack AI career futures simulator using React, TypeScript, and Supabase (PostgreSQL + Edge Functions) to generate personalized narrative career scenarios through an LLM-powered multi-agent pipeline.
- Engineered a 3-agent orchestration pipeline (Research Architect, Wealth Calculator, Scene Synthesizer) with real-time web grounding via Tavily Search, parallel scene generation, and semantic validation for accurate and context-aware outputs.

Full Stack Developer   **Nov 2025 - Jan 2025**

Scarlett Panda   Contract | Remote

- Developed and maintained full-stack features using Svelte on the frontend and Python (FastAPI) on the backend for a production web application.
- Built and enhanced storybook-related features, including onboarding user workflows, storybook content generation, and extra content modules.
- Optimized LLM prompt generation logic to improve consistency and quality of AI-generated story content.
- Developed a referral challenge feature, supporting user engagement and growth initiatives.
- Integrated backend services with Supabase for data storage, authentication, and application logic.

Software Developer Intern   **Aug 2025 - Dec 2025**

Issa Compass   Bangkok, Thailand

- Built an internal AI-powered workflow automation tool using React, Next.js, and TypeScript to automate the generation and review of responses for customer inquiries.
- Developed a response evaluation interface to compare AI-generated responses with human agent responses for quality analysis and internal review.
- Integrated RESTful APIs using Golang (Gin) to automate handling of real customer inquiries and improve response efficiency.
- Designed and managed PostgreSQL databases using TablePlus, performing schema design and CRUD operations for conversations, logs, and application data.
- Used Git and GitHub for version control, code reviews, and team collaboration.

AI Master Trainer   **May 2025 - Present**

ASEAN Youth Organization (AYO)   Part-time | Remote

- Promoted digital inclusion and capacity building by empowering underserved communities with accessible AI literacy and critical thinking skills.
- Conducted workshops and hands-on training sessions using the <u>AI Class ASEAN curriculum</u>, covering foundational AI concepts, practical AI usage, and ethical AI principles to learners of varying ages and backgrounds.

Duolingo English Test Instructor   **Sep 2023 - Present**

Self-Learning Corner   Part-time | Remote

- Delivered structured online learning through both one-on-one and group classes for international students preparing for the Duolingo English Test.
- Strengthened professional English communication skills and gained experience working with online platforms and educational technology to facilitate engaging, interactive sessions.

PROJECTS

Personal Portfolio Website | Next.js, React, Tailwind CSS, Framer Motion
- Designed and developed a modern, responsive portfolio website using a component-based architecture and reusable UI components.
- Implemented client-side state management, theme toggling, and SEO-friendly structure to improve usability and discoverability.

RIC Gaming Club FAQ Chatbot | JavaScript, Gemini API
- Developed an AI-powered FAQ chatbot to automate responses for a student gaming community using a Gemini AI API.
- Implemented robust API integration, error handling, and responsive UI to support real-time user interactions.

Body Check Pro – Student Health Tracker | ASP.NET Core, C#, SQLite, Docker
- Built a full-stack student health tracking system with ASP.NET Core Web API and Entity Framework Core, implementing RESTful APIs and full CRUD functionality.
- Deployed a containerized production application using Docker with cloud hosting and automated deployment workflows.

E-Commerce Web Application | React, RESTful APIs, Laravel (Backend Integration)
- Built a web-based e-commerce application using React, supporting product browsing and basic administrative workflows.
- Integrated frontend features with REST APIs provided by a Laravel (PHP) backend, handling routing, data fetching, and client-side state management.

TECHNOLOGIES

- Languages: Python, TypeScript, JavaScript, Golang, C#, SQL
- Frameworks & Libraries: Next.js, React.js, Svelte.js, Node.js, Tailwind CSS, Bootstrap, GSAP, Framer Motion
- Databases & BaaS: PostgreSQL, MySQL, Supabase, SQLite
- Developer Tools & Platforms: Docker, Postman, Git, GitHub, Vercel, Linux, CI/CD, Jira, Slack, Agile, Scrum

LANGUAGE

- Burmese - Native
- English - Proficient
- Thai - Basic