

ANUWAT THONGKHAM

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SUMMARY

Full-stack developer with strong expertise in TypeScript, React.js, Node.js and building SaaS platforms. Experienced in designing and developing real-time applications, intuitive user interfaces, and scalable backend services. Passionate about improving productivity and collaboration through cloud-based solutions. Thrive in fast-paced, agile environments, dedicated to writing clean, maintainable code.

EDUCATION

Khon Kaen University

Jul 2021 – Mar 2025

B.S. Computer Science

Relevant Courses: Human Computer Interactive, Web Design Technology, Web Application Development, System Analysis and Design, Software Engineering, Mobile and Web Application Development, Software Quality Assurance, Database Management System and Database Design

Final Project: Minus Go – Interactive Learning Platform

SKILLS

Programming & Frameworks

- TypeScript, JavaScript (ES6+), HTML, CSS
- React.js, Next.js, Tailwind CSS, Framer Motion, Redux
- Node.js, Express.js, RESTful API, WebSocket

Cloud & Infrastructure

- Deploying and managing apps on Render, Railway, Vercel
- Familiar with environment variables, CI/CD pipelines

Collaboration & Product

- UI/UX design with Figma
- Reusable component design and design systems
- Agile workflow, version control with GitHub

Core Strengths

- Type-safe code & clean architecture
- Real-time application development
- API integration and backend service design

Languages

- Thai (Native)
- English (Daily Conversational)

SELECTED PROJECTS

Gumen - Seamless Video Conference Platform

Apr 2025 - Jun 2025

[<https://gumen.app>]

- Designed and developed the frontend using Next.js, TypeScript, and Tailwind CSS focusing on intuitive UI/UX and reusable components.
- Built native peer-to-peer video conferencing and integrated real-time chat using WebSocket, enabling seamless team collaboration.
- Implemented client screen sharing and virtual background with MediaPipe Selfie Segmentation.
- Designed and implemented backend services using Express.js and TypeScript:
- Created RESTful APIs for session control, user authentication, and message handling.
- Set up WebSocket endpoints for real-time communication and state synchronization.
- Managed application state and data flow to ensure scalability and maintainability.
- Deployed backend services on Render/Railway, utilizing environment variables and CI/CD pipelines for smooth deployment.
- Added multi-language support with Redux Persist, allowing dynamic language switching without page reloads.
- Collaborated closely with designers and teammates to create a product-ready SaaS platform.

[Final Project] Minus Go – Interactive Learning Platform

Jun 2024 – Mar 2025

[<https://minusgo.app>]

- Designed user interfaces with Figma, focusing on intuitive design systems and micro-interactions.
- Integrated WebRTC for real-time video communication between instructors and students.

- Implemented dynamic question form with image uploads, combining RESTful API and WebSocket to handle real-time data.
- Created customizable classroom cards using SVG components and gradient themes to enhance user engagement.
- Built email single-click sign-in authentication with Nodemailer, improving onboarding experience.
- Focused on type-safe coding and clean architecture throughout the development process.