

Batmagnai Ganbaatar

Junior Developer & IT Support · Front-End · Full-Stack · AI Workflows

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Summary

Entry-level developer transitioning into IT. Hands-on experience building front-end and full-stack applications using React, Next.js, TypeScript, and Python. Shipped real-world projects including a bilingual full-stack bar website, an AI-powered handbook generator, and a prompt engineering tool. CompTIA A+ Core 1 certified (Core 2 in progress). Strong communicator with a background in structured instruction and customer-facing roles.

Projects

AI Handbook Generator

2026

Python · Gradio · LightRAG · Supabase (pgvector) · xAI API

- Built an end-to-end AI application: upload PDFs, query documents via chat, and generate structured 20,000-word handbooks
- Implemented a RAG pipeline using LightRAG and Supabase pgvector for vector storage and session history
- Applied the LongWriter (AgentWrite) technique — section-by-section generation with rolling context — to produce long-form output beyond token limits
- Integrated the xAI Grok 4.1 API with streamed live output during multi-minute generation tasks

Tokyo Neon Kissa

2026

Next.js · React · TypeScript · Tailwind CSS · Node.js · Vercel

- Built a bilingual (EN/JP) cocktail bar website for Tokyo nightlife venues and international visitors
- Developed a reservation system with backend API routes and transactional email notifications via Resend
- Implemented a cocktail finder interface, Google Maps integration, and full mobile-responsive layout

Personal Portfolio

2026

React · HTML · CSS · JavaScript · Netlify

- Designed and shipped a personal portfolio site showcasing projects, skills, and live deployments
- Responsive, mobile-first layout with a working contact form and links to GitHub repositories

PromptKit

2026

HTML · CSS · JavaScript

- Built a lightweight tool that converts rough notes into structured AI prompts
- Implemented live text updates, button interactions, and input validation in vanilla JavaScript

Skills

Languages: JavaScript, TypeScript, Python, HTML, CSS, C# (foundational)

Frameworks & Libraries: React, Next.js, Tailwind CSS, Node.js, Gradio

AI & Data: RAG pipelines, LightRAG, pgvector, prompt engineering, xAI / Groq APIs

Back-End & DBs: REST API routes, Supabase, email integration (Resend API), pdfplumber

Tooling: Git, GitHub, Vercel, Netlify, VS Code

IT & Support: CompTIA A+ Core 1 (passed), Core 2 in progress, hardware fundamentals

Certifications

CompTIA A+

Core 1 (1101) — Passed

Core 2 (1102) — In Progress

Meta Front-End Developer Professional Certificate

Meta / Coursera

Foundational C# with Microsoft

freeCodeCamp

Experience

English Instructor

Jun 2022 – Dec 2025

NOVA Co. Ltd. · Fukuoka, Japan

- Planned and delivered structured lessons across varied skill levels and backgrounds
- Adapted communication style to individual needs — directly transferable to technical support and documentation
- Built strong habits in problem diagnosis, clear explanation, and iterative improvement

Additional: Roles in hospitality and manufacturing — customer support, process adherence, and issue resolution.

Education

Bachelor of Business Administration

2017 – 2022

Ritsumeikan Asia Pacific University, Beppu, Japan

Languages

English — Native / Bilingual

Mongolian — Native / Bilingual

Japanese — Intermediate