

# Nutchanon Taechasuk / Quatton

I like new stuff and I make software development enjoyable and productive :)

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## Education

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University of Tokyo, Tokyo, Japan

2022 Mar - 2026 Mar (Expected)

3rd Year Undergraduate Student, Department of Information Science, Faculty of Science (MEXT Scholarship)

## Skills

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- **Programming Languages:** TypeScript, JavaScript, Rust, Python, Dart, C, OCaml, SQL
- **Actively Used Technologies:** Next.js, React, TailwindCSS, PostgreSQL, PyTorch, Bevy
- **Tools & Platforms:** Supabase, Git, Docker, Pulumi, AWS (S3, ECS, Lambda), Vercel, Cloudflare
- **Languages:** English (Business), Japanese (Business), Thai (Native)

## Work Experience

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Sasatech Co. Ltd., Japan

2023 Nov - 2024 Apr

Next.js Engineer Intern – (Next.js, React, TypeScript, Tailwind CSS, Supabase, Vercel)

Main Responsibilities: Building reusable components, standardizing the development process, and micro-optimization

- Pioneered a schema-agnostic, customizable foundation for building admin panels and CMS
  - Supported complex relations, dynamic form generation, and image uploads
  - Successfully deployed one project to production with over 1,000 rows of data and 15 tables
  - Saved 80% from estimated development time via dynamic routes and code generation scripts
- Automated synchronization of page view ranking using CRON jobs and Google Analytics API
- Implemented utility functions for data querying and mutations
  - Fixed rate-limiting issues via server-side caching, reducing API calls by over 90%
  - Supported complex nested filtering, sorting, and pagination for large datasets
  - Standardized access control for viewing public, private, and unlisted pages

## Recent Projects

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**scrib – Next-gen Scribblenauts clone built with Bevy and cutting-edge ML models** 2024 Jun - Present

- Currently under development with Buildspace, an intensive 6-week idea-to-launch program
- Optimized the 3d asset generation pipeline to go from text to 3d model in sub 30 seconds
- Support over 30000+ color names and arbitrary size modifiers using a dynamically loaded Trie tree

**mrdrm – // TODO: list management tool** [GitHub] [crates.io]

2024 Apr - Present

Meridiem, Rust-based Open-source CLI tool for managing inline TODOs with over 300 downloads on [crates.io](#)

- Utilized regex-based pattern matching for extracting TODO comments from source code
- Implemented features for tracking done status and exporting to readable markdown files

**Memoiz – Search Engine for Personal Notes** [Lablab.ai]

2023 Apr

Lablab.ai Build your AI Startup Hackathon. Episode 2: **Winner**

(Next.js, React, TypeScript, Tailwind CSS, Prisma, MySQL, Redis, Cohere, Vercel, tRPC)

- Led a team of two to develop a full-stack web application for organizing and searching personal notes in 7 days
- Explored cutting-edge AI technologies through implementing vector-based semantic search via Redis and Cohere
- Standardized data querying, validation, and mutation using end-to-end type-safe APIs
  - Reduced boilerplate code by 50% from initial REST-based implementation
  - Boosted DX and team productivity, contributing to the project's success under tight deadlines