

Waron Limsakul

wlimsaku@uwaterloo.ca | GitHub: [WaronLimsakul](#) | LinkedIn: [waron limsakul](#) | +1416-821-5941

SKILLS

- JavaScript, TypeScript, HTML/CSS, Go, Python, SQL
- React.js, Next.js, Redux, Tailwind CSS, Express.js, Node.js, Django
- Git, GitHub Actions, Docker, PostgreSQL, MongoDB, AWS, GCP, Jest, Postman

EDUCATION

University of Waterloo

Waterloo, ON

Honours Computer Science, Co-operative program

Expected Graduation, April 2029

- **GPA:** 95.40 — **Scholarships:** CAD \$40,000 (University of Waterloo President's Scholarship of Distinction, Faculty of Mathematics Global Scholarship)

EXPERIENCE

Full-Stack Developer

July 2024 – Current

Bangkok Youth Opera (Youth Organization)

Remote

- Used React.js to develop a responsive interface for organization website, **reducing bounce rate to 50%**
- Optimized Bangkok Youth Opera Node.js backend server, **capable of supporting 200K+ requests/hour**
- Utilized PostgreSQL to store and manage organization data, improving data maintainability and accessibility
- Integrated Thai QR secure payment using Omise API, leading to an **increase in ticket purchases by 35%**

PROJECTS

Simply Said | [Visit Site](#) | *Next.js, MongoDB, Tailwind CSS, React.js*

Dec 2024 – Jan 2025

- Developed a User-generated content platform using Next.js, boosting SEO and **achieving 10 users per day**
- Implemented secure OAuth authentication with the Auth.js library, **increasing registered users by 43%**
- Built a robust and scalable back-end system by integrating MongoDB with Next.js, **achieving 99.9% uptime**
- Utilized dynamic programming algorithm to manually implement a custom Fuzzy Finder, enabling efficient and user-friendly search functionality which **reduces search time by 75%**
- Implemented a lightweight real-time Markdown Parser from scratch using regular expression, **achieving 83.3% compatibility with core Markdown syntax** and improving posting experience

Driven | [Visit Site](#) | *Go, PostgreSQL, TailwindCSS, Templ, HTMX*

March 2025 – April 2025

- Built a SSR to-do app to track focus time and tasks using Go and Templ, **rendering a full page in 150ms**
- Implemented access/refresh tokens auth system, **increasing session stability by 100%**
- Optimized Go HTTP server to enable server scalability, **capable of handling 3M+ requests/hour**
- Design responsive UI with HTMX, **achieving dynamic interactivity with 70% less code**
- Utilized Github actions to enable CI/CD workflows, **reducing feature delivery time by 50%**

Waron-E-Commerce | [Visit Site](#) | *React.js, Node.js, PostgreSQL, Stripe API*

June 2024 – July 2024

- Optimized an application routing system with the React Router library, **having 70% less navigation latency**
- Developed a RESTful API using Node.js and PostgreSQL, **capable of supporting 150K+ requests/hour**
- Implemented secure user auth with Passport.js, enabling session-based authentication
- Integrated Stripe API for secure payment processing, enhancing user trust and transaction experience

Gator | [Visit Source Code](#) | *Go, PostgreSQL, Goose, sqlc*

Feb 2025 – March 2025

- Engineered an RSS processing system in Go, **reducing fetch time by 85%** through concurrency
- Designed a PostgreSQL schema with B-tree indexes, **decreasing average query time to 15ms**
- **Reduced database deployment errors by 100%** by implementing Goose migration workflows
- Created a type-safe data access layer with sqlc, **generating 800+ lines of type-safe code**