

# HASSAN HASHMI

[linkedin/hassan-hashmi](#) [github/KuroMaple](#) [hassan-hashmi.com](#) [hashmihassan47@gmail.com](#) (647) 270-5503

## Education

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### University of Waterloo

June 2025

Bachelors of Computer Science

- **Courses:** Algorithms and Data Structures (Python), Object-Oriented Programming (C++), Databases (SQL), Software Security (C#), User Interfaces (Kotlin), Operating Systems (C)

## Experience

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### Jr. Software Developer

July 2025 - Pres.

i3 Solutions Inc

Mississauga, ON

- Enhanced platform performance for one of Canada's largest insurance providers, spanning **1M+ users**, by building scalable features with **Vue, ASP.NET, and C#**
- Reduced developer startup time from **30 minutes to 2 minutes** by creating Windows Batch scripts for automated command-line workflows

### Front-End Developer Intern

May 2024 - Aug 2024

JANA Corporation

Aurora, ON

- Delivered front-end features for a SaaS platform serving **25M+ households** using **React, TypeScript, Tailwind, and Redux**
- Wrote **50+** unit and integration tests using **React Testing Library** and **Vitest**, achieving **95%** code coverage
- Implemented interactive **D3.js** visualizations, enhancing data comprehension and user engagement by **40%**

### Full-Stack Developer Intern

May 2023 - Dec 2023

JANA Corporation

Aurora, ON

- Built an internal profit-sharing platform with **.NET, React, and TypeScript**, automating financial calculations for **200+ employees**
- Wrote **CRUD RESTful APIs** with **C# and T-SQL** replacing third party services to save JANA **\$10,000** annually
- Optimized web form validation with **React Hook Form** and **Zod** reducing database rollback instances by **75%**

### Instructional Support Assistant

Jan 2023 - April 2025

University of Waterloo

Waterloo, ON

- Instructed **1,200+ students** in **C++** to build a C-like language compiler, from syntax parsing to binary code generation

## Projects

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### REDACTED | Flutter

- Programmed a cross-platform card game to give wide exposure to a lesser known but interesting mathematical concept

### UWBC-Web | Django, React, TypeScript, Redux, PostgreSQL

- Created a badminton court management tool for university club, cutting matchmaking time by **25%** for **3,000+ players**

### PokéView | React, TypeScript, Framer Motion, HTML, CSS

- Crafted a Pokémon web app with **650** unique Pokémon, featuring card-flipping animations, dark mode, and stat charts

### Wat2Watch | Kotlin, Jetpack Compose, Android Studio

- Developed an **Android** app that helps groups quickly pick movies to watch, reducing decision-making time by **40%**

## Technical Skills

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**Languages:** TypeScript, JavaScript, C++, Dart, Python, C#, Kotlin, HTML, CSS, SQL

**Technologies/Frameworks:** React, Redux, Next.js, Entity Framework, Tailwind, Git, Flutter