

# HASSAN HASHMI

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

- Created a cross-platform badminton court management app with **Django, React, and PostgreSQL**, cutting matchmaking time by **25%** for **3,000+ players**
- Engineered interactive drag-and-drop court scheduling with **Redux, RTK Query, and React DnD**, improving UX across **8 courts** and **100+ sessions**

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

- Crafted a responsive **React/TypeScript** Pokémon web app with **650** unique Pokémon, featuring interactive card-flipping animations, dark mode, and radar charts for key stats

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

- Developed an interactive **Android** app that enables groups of friends to find a movie using **Kotlin, Jetpack Compose, and Firebase**, achieving a **40%** reduction in decision-making time in test groups

### KotlinNotes | *Kotlin, JavaFX, SQLite*

- Programmed a desktop note-taking app with a custom **SQLite** database and a **Spring Boot + Docker** backend

## Technical Skills

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

**Technologies/Frameworks:** React, Redux Next.js, Node.js, Tailwind, Git, D3, Vitest, React Testing Library, Postgres