

HASSAN HASHMI

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Education

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

Jr. Software Developer

July 2025 - Pres.

i3 Solutions Inc

Mississauga, ON

- Enhanced scalability and reliability of full-stack applications using **Vue**, **ASP.NET**, and **C#**
- Developed automation scripts to streamline developer workflows, reducing resource consumption by **50%**

Front-End Developer Intern

May 2024 - Aug 2024

JANA Corporation

Aurora, ON

- Implemented the front-end for a multi-million dollar SaaS platform focused on gas pipeline integrity, using **React**, **TypeScript**, **Tailwind CSS**, **Redux Toolkit**, **C#**, **SQL**, and **.NET**, impacting over **25 million** households
- Created **50+** unit and integration tests using **React Testing Library** and **Vitest**, achieving **95%** code coverage
- Collaborated with design and product teams to shape core product features and improve user engagement

Full-Stack Developer Intern

May 2023 - Dec 2023

JANA Corporation

Aurora, ON

- Developed an internal profit-sharing application with **ASP.NET** and **React**, saving **\$10,000** annually
- Architected scalable database and **RESTful APIs** using **ASP.NET**, **SQL**, and **SSMS**, streamlining financial calculations for **200+ employees**
- Implemented interactive **D3.js** charts to visualize financial data, following UX/UI design standards

Instructional Support Assistant

Jan 2023 - April 2025

University of Waterloo

Waterloo, ON

- Collaborated with a cross-functional team to help students build a **C++ compiler** from scratch
- Led tutorials and offered debugging support, simplifying complex course concepts for over **1200 students**

Projects

PokéView | *React, HTML, CSS*

- Built an interactive Pokémon web app with **React** featuring **650** Pokémon, **50** custom components, dynamic search/filter, and a radar chart for data visualization
- Implemented a dynamic dark mode and card-flipping animations using **CSS**, **JavaScript**, and **Framer Motion**

UWBC-Web | *Python, Django, React, PostgreSQL*

- Engineered a cross-platform badminton court management app using **Django** and **React**
- Built distributed backend services and applied infrastructure fundamentals for reliability, reducing matchmaking time by **25%** for **3000+ players**

Notetaking Application | *Kotlin, JavaFX, SQLite*

- Developed a note-taking desktop app for computer science students using **Java FX**, **Kotlin**, and **SQLite**, including a custom database manager for local storage, and supporting up to **10,000 notes** cloud-synced notes
- Deployed a scalable cloud infrastructure using **Spring Boot** and **Docker**, enabling real-time data synchronization

Wat2Watch | *Kotlin, Jetpack Compose*

- 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

Technical Skills

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

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