

DIEGO MELGARA

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SUMMARY

Backend developer with a strong foundation in Java, API development, and software engineering. Experienced in designing and implementing efficient algorithms and data structures, with a keen interest in building scalable applications. Passionate about solving complex problems, collaborating with teams, and continuously learning to enhance backend systems.

HIGHLIGHTS OF QUALIFICATIONS

- **Experienced in Full Stack Development:** Built dynamic web applications with HTML, CSS, JavaScript, PHP, and Bootstrap, focusing on responsive and scalable designs. Developed backend logic for seamless integration.
- **Strong Foundation in Object-Oriented Programming (OOP):** Skilled in designing modular, scalable, and reusable code using Java, C#, and Python.
- **Database Management Expertise:** Well-versed in database theory and implementation, with hands-on experience in SQL and MySQL for designing, querying, and optimizing relational databases.
- **Software Quality Assurance and Testing:** Proficient in testing and ensuring software quality using Java-based testing frameworks and methodologies.
- **Proficiency in Web Technologies:** Advanced knowledge of client-side scripting and frameworks like JavaScript, CSS, and HTML, ensuring seamless user experiences.
- **Network Fundamentals:** Knowledgeable in basic networking concepts and system integration, ensuring seamless application connectivity.
- **Languages:** English, Spanish

EDUCATION

Computer Systems Technology - Software Development (559)

Jan 2024 - Present

Mohawk College, Hamilton ON | Expected Graduation: December, 2026

- Currently in 4th Semester

TECHNICAL SKILLS

- | | | | | | |
|--------------|-------|----------|---------------|--------|----------|
| • Java | • C# | • Python | • React | • HTML | • GitHub |
| • Javascript | • PHP | • MYSQL | • Spring Boot | • CSS | |

PROJECTS

- To-do App** • Designed and implemented a task management web application using HTML, CSS, and JavaScript for the frontend and PHP for backend functionality.
- Weather app** • Developed a Java-based backend to fetch real-time weather data via APIs, utilizing HTTP requests, JSON parsing, and error handling. Implemented modular design and logging.

WORK EXPERIENCE

- **Waiter** | Mal Vicho, Mexico | April 2023 - August 2023
 - Developed problem-solving, time management, and teamwork skills in a fast-paced restaurant environment.
 - Gained experience with point-of-sale (POS) systems, and strengthened adaptability and communication by collaborating with my team and addressing customer needs.
- **Freelance DJ (On-Call)** | Self-Employed | January 2022 - August 2023
 - Negotiated performance terms with clients and venues, securing 30+ successful events.
 - Developed strong public speaking, problem-solving, and organizational skills through event management and client interactions.