

Alessandro Baldassarre

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SKILLS

Languages: Java, Python, C, C++, JavaScript, TypeScript, HTML, CSS

Frameworks and Libraries: React.js, Node.js, Express.js, Django, JUnit

Databases & Data Processing: MySQL, MongoDB, SQL Server, Azure SQL, DynamoDB, ETL Pipelines

DevOps and Cloud: Microsoft Azure, AWS, Terraform, GitHub Actions

Other: Power Platform, Integration.app, Dynamics 365

EDUCATION

University of Calgary || Calgary, AB, Canada

September 2021 – June 2026

B.S., Software Engineering

Relevant Coursework: Data Structures and Algorithms, Full-Stack Web Development, Operating Systems, Object-Oriented Programming, System Design, Database Management, Software Testing, DevOps, Software Architecture, Computer Networking

WORK EXPERIENCE

RESTIV Technology Inc. || Student Developer Internship || Calgary, AB, Canada

August 2024 – May 2025

- Designed and coded solutions to automate data workflows and system integrations, optimizing business operations and improving efficiency.
- Built and deployed cloud-based **ETL pipelines** in **Azure Data Factory**, significantly enhancing data processing speeds and analytics.
- Developed integrations with APIs (**ArrowSphere**, **Metabase**, **Horizon3**, **Intercom**, **DevOps**) to enable seamless communication between platforms.
- Contributed to an **incident response automation system**, reducing emergency response times by **75%**.
- Designed and optimized **SQL queries** for data analysis and transformation, ensuring system accuracy and reliability.
- Collaborated in an **agile environment**, iterating on software solutions through sprints, peer reviews, and continuous integration

PROJECTS

RehabQuest || *AHS Hackathon* || TypeScript, React.js, Python, AWS, Unity (C#)

July 2024

- Developed a **VR game** for children undergoing rehabilitation, using **Unity and AWS** to provide interactive educational activities.
- Built a **React.js and Django** web application to display performance metrics and progress tracking.
- Implemented **secure authentication and API communication**, ensuring data integrity and usability.

MyMovieList || Google AI Hackathon || React.js, Express.js, MongoDB

April 2024 – May 2024

- Developed a **movie recommendation system** utilizing **Google's Gemini AI** to personalize suggestions based on user preferences.
- Designed and implemented **REST APIs** for user interactions, optimizing movie search and profile management.
- Applied **agile development practices**, working iteratively to improve the UI and backend logic.