

Alessandro Baldassarre

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SKILLS

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- JavaScript/TypeScript (React.js, Node.js, Express.js), HTML & CSS (Tailwind), Python, Java, C++, C, MySQL, MongoDB, Git
 - Full-Stack Web Development, Microsoft Suite (Power BI, Excel, Power Automate), Microsoft Azure (Azure Data Factory), AWS (S3, Lambda, DynamoDB)

WORK EXPERIENCE

RESTIV Technology Inc. : Student Developer	August 2024 – April 2025
<ul style="list-style-type: none">• Designed and implemented automation solutions for data workflows and system integrations, streamlining internal business operations and reducing manual processes.• Built and deployed cloud-based ETL pipelines using Azure Data Factory, improving data ingestion reliability and enabling faster analytics.• Developed and maintained integrations with external APIs (ArrowSphere, Metabase, Horizon3, Intercom, Azure DevOps) to enable seamless data exchange across platforms.• Contributed to an incident response automation system, helping reduce manual intervention and improving response consistency during critical events.• Wrote and optimized SQL queries for data analysis and transformation, ensuring data accuracy and system reliability.• Collaborated in an agile environment, participating in sprint planning, peer code reviews, and CI-driven development.	

PROJECTS

RehabQuest : AHS Hackathon TypeScript, React.js, Python, AWS, Unity (C#), Git	July 2024
<ul style="list-style-type: none">• 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, Git	April 2024 – May 2024
<ul style="list-style-type: none">• 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.	

Flight Reservation App : Java, Git	November 2023 – December 2023
<ul style="list-style-type: none">• Designed and developed a Java-based flight reservation system with role-based access for admins, airline agents, passengers, and guests, modeling real-world airline workflows.• Implemented core booking features including flight management, passenger manifests, and seat selection via a graphical seat map, applying object-oriented design principles.• Emphasized system design and architecture, documenting system behavior and data flow using UML sequence diagrams and state transition diagrams.	

EDUCATION

University of Calgary Calgary, AB, Canada	September 2021 – December 2026
<p><i>B.S., Software Engineering</i></p> <p>Relevant Coursework: Full-Stack Web Development, System Design, Software Architecture, Operating Systems, Database Management, Software Testing, DevOps, Data Structures and Algorithms, Computer Networking, Object-Oriented Programming, Applied Machine Learning, Deep Learning, Probability & Statistics</p>	