

# Adolfo David Romero

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## TECHNICAL SKILLS

**Languages:** SQL, Python, Java, C#, JavaScript, HTML/CSS, Swift, Kotlin, C/C++  
**Databases:** MySQL, PostgreSQL, Firebase Realtime DB, Firestore, Core Data  
**Cloud Platforms:** Google Cloud, Microsoft Azure, AWS, Firebase  
**Frameworks:** Node.js, Spring Boot, .NET MAUI, React Native, Expo  
**DevOps & Tools:** Git, Docker, VS Code, IntelliJ, Visual Studio, XCode, Android Studio  
**Libraries & Analytics:** Pandas, NumPy, Matplotlib, TensorFlow/TensorFlow Lite, Core Motion

## EDUCATION

**Sheridan College** Oakville, ON  
*Honours Bachelor of Computer Science, specialization in Mobile Computing* Sept. 2019 – Apr. 2025  
• Minor in Creativity & Creative Problem Solving

## EXPERIENCE

**Associate Software Developer** May. 2025 – Present  
*Euna Solutions* Oakville, ON

- Accelerated product expansion by converting state-specific legal documents into interactive IEP (Individualized Education Program) UI forms, enabling the company to enter 4 new U.S. state markets rapidly.
- Enhanced & maintained backend functionality by implementing business logic in C# ASP.NET and updating MSSQL databases to support customized workflows per state.
- Increased customer adoption by delivering scalable and legally compliant forms on short timelines, directly contributing to the company's ability to sell software in additional markets.
- Boosted development efficiency by leveraging agentic AI and MCP tools to automate testing and repetitive tasks, accelerating delivery timelines.



**Mobile Application Developer & Student Research Assistant** Sept. 2024 – Mar. 2025  
*Generator Research at Sheridan* Brampton, ON

- Engineered a dual Android app system for the "Seniors Digital Smart Health Assistant," enabling real-time data sharing and health notifications for elderly users.
- Referenced app architecture contributed to successful system commercialization, supporting future manufacturing use cases.
- Designed and deployed cloud infrastructure achieving 99%+ accuracy in syncing smartwatch data with mobile applications.



**Mobile Application Developer (Co-op)** Jan. 2024 – Aug 2024  
*PointClickCare* Oakville, ON

- Developed a cloud-based mHealth platform to enhance remote patient monitoring efficiency for older adults.
- Secured a strategic consultation with Google by proactively reaching out for specialized wearable development resources, resulting in a 20% increase in production efficiency for the project.
- Leveraged native AndroidOS, WearOS, and React Native to build responsive mobile and wearable solutions.
- Integrated ML-driven location classification features using Google Maps API, optimizing real-time patient context.

## PROJECTS

**Biblioscope**   | C#, .NET MAUI, GraphQL, Azure OCR, iOS, Git Jan. 2025 – Apr. 2025

- Developed a cross-platform mobile application using .NET MAUI and C#, enabling users to scan and manage personal book collections across devices.
- Implemented book discovery functionality by connecting to the Hardcover GraphQL API, allowing users to search and add books seamlessly.

**Groovify**   | REST API, Swift, iOS, Firebase, Core Data, Git Sept 2024 – Dec. 2024

- Created an iOS app that generates music recommendations by integrating Spotify and Ticketmaster APIs.
- Designed and deployed a mood-based playlist engine using Spotify's SDK, aligning with user preferences.
- Added location-based concert alerts via Ticketmaster API, increasing user engagement with nearby events.
- Developed a clean, intuitive UI with Swift, UIKit, and WidgetKit, including homescreen widgets for easy access.

## VOLUNTEERING, INTERESTS, & ADDITIONAL SKILLS

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**BearHacks Hackathon Mentor:** Mar. 28th - Mar. 30th, 2025.

**MLH Hackville Hackathon Mentor:** Jan. 17th - Jan 19th, 2025.

**Google Developer Student Club Volunteer:** Jan. 2022 – Jan. 2023.

**Recognized Research:** Nominated for the 2024 *Innovation in Research* award by The Center for Applied AI (CAAI).

**Music & Performance:** Composed music for TAAFI nominated animated film.

**Bi-Lingual:** Native in English & Fluent in Spanish.