

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 <i>Honours Bachelor of Computer Science, specialization in Mobile Computing</i>	Oakville, ON Sept. 2019 – Apr. 2025
• Minor in Creativity & Creative Problem Solving	

EXPERIENCE

Associate Software Developer <i>Euna Solutions</i>	May. 2025 – Present Oakville, ON
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- 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 <i>Generator Research at Sheridan</i>	Sept. 2024 – Mar. 2025 Brampton, ON
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- 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) <i>PointClickCare</i>	Jan. 2024 – Aug 2024 Oakville, ON
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- 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   <i>C#, .NET MAUI, GraphQL, Azure OCR, iOS, Git</i>	Jan. 2025 – Apr. 2025
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- 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   <i>REST API, Swift, iOS, Firebase, Core Data, Git</i>	Sept 2024 – Dec. 2024
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- 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

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.