

# Abdelbasset Jalaeddine

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## PROFESSIONAL SUMMARY

Senior Mobile Engineer with 5+ years of experience independently building Android and iOS applications from scratch across streaming, media, and consumer verticals. Sole author of apps with a combined 6.6M+ downloads; authored a custom ExoPlayer library, a company-wide API client library, full API documentation, and a custom ChromeCast Receiver supporting ads, DRM, audio tracks, and subtitles across Android, iOS, and Web. Led cross-functional teams as Lead Mobile Developer while continuing to personally deliver complete products end-to-end. Holds a Canadian Open Work Permit.

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## PROFESSIONAL EXPERIENCE

### Lead Mobile Developer | *Mangomolo* | March 2024 – Present

- Led Android and iOS engineering teams; personally built all assigned apps entirely from scratch (end-to-end) while supporting other developers on their applications in parallel.
- Delivered SABC+ (1M+ downloads), NoorPlay (5M+ downloads), and 51 Kuwait TV (100K+ downloads) independently from scratch using Kotlin, Jetpack Compose, MVVM, and Hilt.
- Engineered a custom ExoPlayer library used across all company apps, handling advanced playback, DRM, audio tracks, and subtitles.
- Built a custom API client library from scratch, adopted across all applications, standardizing network communication and reducing integration time.
- Developed and maintained comprehensive API documentation covering all endpoints and integration guides for the engineering team.
- Designed and implemented a custom ChromeCast Receiver from scratch supporting ads, DRM, audio tracks, and subtitles — fully compatible across Android, iOS, and Web.
- Reduced API load times by 25% through backend collaboration and targeted performance tuning.
- Improved legacy codebases, reducing crash rates and optimizing CI/CD pipeline performance.

### Mobile Application Developer | *Mangomolo* | April 2021 – March 2024

- Independently built all assigned Android apps entirely from scratch (architecture, coding, testing, and publishing), including Samuh (10K+ downloads), Awaan (500K+ downloads), NowTV (1K+ downloads), and Freevision Play (10K+ downloads, mobile and Android TV).
  - All apps were sole-authored from the ground up — no inherited codebase; delivered full development lifecycle end-to-end.
  - Developed reusable libraries for video streaming and user authentication, reducing feature development time across projects.
  - Provided cross-platform guidance and code reviews to support iOS developers with best practices.
  - Collaborated closely with QA and backend teams to ensure reliable, high-quality product delivery.
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## EDUCATION

### Bachelor of Engineering in Computer Engineering

*Lebanese American University* | May 2022

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## TECHNICAL SKILLS

**Languages:** Kotlin, Java, C#, JavaScript, PHP, HTML, CSS

**Mobile Development:** Jetpack Compose, Android TV, MVVM, Retrofit, Dagger/Hilt, Room Database, ExoPlayer, ChromeCast SDK, React Native

**Tools & DevOps:** Android Studio, Git, Firebase, Fastlane, Postman, CI/CD

**Backend & Web:** REST APIs, Angular, MySQL, Node.js

**Machine Learning:** TensorFlow, Keras, NumPy, OpenCV

**Hardware & IoT:** Arduino, Raspberry Pi

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## SELECTED PROJECTS

- LebaneseWeather App – Full-featured Android weather application with live API integration and dynamic UI.
  - Corona Tracker – Real-time COVID-19 statistics Android app with interactive charts and maps.
  - UltraVet – Telemedicine platform for veterinarians featuring appointment booking and real-time messaging.
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## CERTIFICATIONS

- Create the User Interface with SwiftUI – Coursera (July 2023)
  - Introduction to iOS Mobile App Development – Meta (July 2023)
  - Version Control with Git – Meta (July 2023)
  - Fundamentals of Deep Learning – NVIDIA (April 2021)
  - Beirut AI Bootcamp (August 2020)
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## LEADERSHIP & ACTIVITIES

- President, LAU Robotics Club – Lebanese American University (2019–2021)
- Vice President, LAU Robotics Club – Lebanese American University (2018–2019)
- Volunteer, LAU Buddy Program (2017–2019)
- Member, GC LAU Model United Nations (2017–2018)