

Ralph Dugue

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Summary

Accomplished software engineer with 10+ years of experience driving full-stack mobile and web development for fast-growing businesses. Proven ability to architect, build, and optimize scalable applications. Passionate about clean code, efficient solutions, and mentoring junior developers.

Technical Skills

- **Languages:** Kotlin, Java, JavaScript (ES6+), TypeScript, Python, SQL, GraphQL
- **Frameworks/Libraries:** Boto3, AWS AppSync, Android SDK, Jetpack Compose, Ktor, Vue.js, Apollo, Retrofit, Room/SQLDelight, Dagger Hilt
- **Cloud/Tools:** AWS (Lambda, API Gateway, S3, EC2, DynamoDB, etc.), GCP, Git, GitHub, GitLab, Jira, Firebase, Android Studio

Experience

Mobile Engineer | ActiveCampaign, LLC (Remote) | MAR 2021 - OCT 2022

- Led architectural overhaul: Refactored data layer to Clean Architecture, improving maintainability and testability (Retrofit, Room/SQLDelight).
- Enhanced accessibility: Updated login flow for seamless use with Android Voice Access, improving user experience (Jetpack Compose).
- Drove user growth: Developed new features for feature parity with web app, increasing Android user base and app store ratings (MVI, Clean Architecture).
- Reduced technical debt: Modernized dependency injection with Dagger Hilt, eliminating bugs and boilerplate code.
- Managed releases: Led production deployments of Android app updates (GitLab, AWS, Firebase).

Android Engineer | FanReach, LLC (Remote) | APRIL 2018 - FEB 2021

- Spearheaded Kotlin adoption: Successfully transitioned codebase to Kotlin-first, accelerating development and enabling modern Android practices.
- Built white-label platform: Developed scalable, multi-tenant Android platform for professional sports teams and venues (AWS AppSync, Android SDK).
- Implemented media features: Integrated live video/audio streaming for sporting events using ExoPlayer.
- Delivered AI-powered chat: Created and integrated a chat client with AI capabilities into multiple apps (Kotlin, Coroutines).

Independent Consultant & Software Engineer | MARCH 2017 - PRESENT

- Developed client solutions: Consulted on serverless architectures (AWS Lambda, Boto3, API Gateway) for various projects.
- Created educational content: Authored articles and tutorials on data structures, algorithms, and Python development.
- Built personal brand: Developed professional website with portfolio and blog (Nuxt, NetlifyCMS).
- Developed and published a parking assistance mobile app (Google's Gemini Pro API, Jetpack Compose, CameraX, and Kotlin Multiplatform).

Software Developer | Telco Equipment & Support Services (Remote) | AUG 2013 - MAR 2017

- Built proof-of-concept apps: Showcased feasibility of Android for enterprise resource planning (ERP) applications.
- Extended Odoo platform: Developed custom modules for internal IT resource tracking (Python).
- Developed web application: Created employee leave-tracking tool (Python, Boto3, AWS Lambda, jQuery, S3, Route53).

Education

BS, Computer Science - Computer Criminology | Florida State University, Tallahassee, FL

Certifications

Machine Learning Specialization - Stanford University & DeepLearning.AI

AWS Certified Developer - Associate

Software Product Management Specialization - Coursera

Full Stack Web Development - Free Code Camp