

Jacob Jerrell

Senior Android Engineer

• jacob@jjerell.dev • [217-823-3031](tel:217-823-3031) • [LinkedIn](#) • [GitHub](#) • [America/Chicago](#) •

Work Experience

Senior Kotlin Android Developer & Team Lead

March 2022 - Present

InRhythm

- **Leadership & Mentoring:** Operated autonomously while leading and mentoring a team of internal and external engineers, fostering a collaborative and high-performing development environment.
- **Technical Contribution:** Excelled as both an individual contributor and team lead, driving the development of high-quality Android applications using Kotlin.
- **Project Delivery:** Completed over 170 work items in 2023, totaling more than 326 story points, excluding bugs and spike items, showcasing dedication and efficiency.
- **Standards & Best Practices:** Established coding standards, working agreements, best practices, and pull request templates. Managed team rosters and code ownership to ensure consistency and code quality.
- **CI/CD Pipeline Management:**
 - Configured and managed comprehensive CI/CD jobs to streamline development processes.
 - **Pull Request Builds:** Validated changed and affected libraries with code coverage analysis and linting.
 - **Merge (Main) Builds:** Ensured stability by validating recently changed libraries and publishing updated modules.
 - **Maintenance (Renovate) Builds:**
 - Automated updates to the version catalog with newly published library versions after main builds.
 - Bi-weekly staging of updates from internally published dependencies.
 - Manual staging of updates from third-party dependencies.
 - Weekly pruning of abandoned branches to maintain repository health.
- **SDK/Library Development:** Led the creation of an SDK/library repository to share unique application capabilities, enhancing code reuse and accelerating development cycles.
- **Metrics & Achievements:**
 - **Development Work (Jan 2024 – Nov 2024):**
 - Contributed to 34 epics.
 - Completed 333 story points across 91 stories.
 - Resolved 29 bugs, improving application stability and user experience.
 - **Task Creation & Management:**
 - Created 36 stories worth 128 points for a team of 7 engineers.
 - Prepared 18 additional stories for grooming.
 - Identified and documented 5 bugs for resolution.

Senior Mobile Application Developer & Team Lead

September 2017 - March 2022

Allscripts

- **Service Layer Refactor:** Played a key role in refactoring the iOS application's service layer, migrating from monolithic API services to a suite of microservices. Customized a code generator to automate the creation of Data Transfer Objects (DTOs) and RxSwift wrappers from OpenAPI specifications, enhancing development efficiency and future scalability.
- **Certification Achievements:** Significantly contributed to the application achieving critical healthcare certifications, including Electronic Prescription of Controlled Substances (EPCS), FHIR HL7, and Meaningful Use, ensuring compliance with industry standards.
- **Tasking System Overhaul:** Revamped a complex in-app tasking system to meet client needs, adding nearly a dozen new task types to support electronic prescriptions, thereby improving user experience and workflow efficiency.
- **Subject Matter Expertise & Client Collaboration:** Became a subject matter expert for the majority of the application. Regularly attended customer meetings and led the technical aspects of client implementations, bridging the gap between technical teams and client requirements.
- **Cross-Platform Development:** Led the iOS development of the FollowMyHealth Patient application. Gained expertise in Android development by reviewing pull requests for the Android FollowMyHealth Patient application. Developed the FMH Dashboard provider application for Android during the height of the COVID-19 pandemic, contributing to critical healthcare communication tools.
- **Holistic Application Understanding:** Contributed across mobile platforms, web, and backend applications, with specialized attention on user-facing components. Worked across multiple teams as a subject matter expert in significant domains.
- **Team Leadership & Mentorship:** Led a team comprising 2–3 iOS and 2 Android engineers.
- **Agile Development & Delivery:** Delivered 120 total work items over 15 bi-weekly release cycles alongside traditional release cadences, demonstrating strong project management and delivery skills.
- **Architectural Design & Implementation:**
 - Designed the architecture for a DTO and RxSwift wrapper code generator that extracted Swagger specs from multiple microservices, establishing common models and organizing generated code effectively.
 - Collaborated with the Principal iOS Engineer to refactor the application's domain layer, supporting a backend-driven de-monolith initiative.
 - Implemented APIs and core functionalities for mobile appointment management and integrated existing application services with third-party services during acquisitions.
- **Client Support & Technical Troubleshooting:**
 - Collaborated with client and internal stakeholders to translate requirements into technical specifications.
 - Provided on-site and remote technical support to healthcare organizations, utilizing troubleshooting skills at all layers—from API to device—to resolve customer issues promptly.
- **Process Improvement & Documentation:** Built and enhanced project documentation, environment setup guides, and troubleshooting procedures, contributing to smoother onboarding processes and knowledge transfer within the team.

Skills & Proficiency

Kotlin Android Development

- Expert in developing high-quality Android applications using Kotlin.
- In 2023, contributed over 50,000 lines of code to applications ranging from 50 thousand to 5 million+ downloads.
- Proficient in optimizing performance and implementing best practices.

Team Leadership & Mentorship

- Proven ability to lead and mentor high-performing engineering teams.
- Established coding standards and best practices to ensure code quality.
- Fostered a collaborative environment, enhancing team efficiency and morale.

CI/CD Pipeline Management

- Skilled in configuring and managing complex CI/CD pipelines.
- Streamlined development processes through automation and integration.
- Improved deployment efficiency and reduced time-to-market for new features.

Architectural Design

- Experienced in transforming monolithic applications into scalable architectures.
- Designed architectures for DTOs, code generators, and SDK/library repositories.
- Enhanced scalability, maintainability, and future-proofing of applications.

Cross-Platform Mobile Development

- Proficient in both Android (Kotlin) and iOS (Swift) development.
- Led cross-platform projects and conducted thorough code reviews.
- Developed applications that meet industry certifications and standards.

Recent Accolades

- **November 18, 2024** - Implemented a simple solution to remove the necessity of an expensive upgrade right before release.
- **November 8, 2024** - Identified and resolved a complex application contract issue with a third-party.
- **November 7, 2024** - Thoroughly researched and provided recommendations for an edge-case scenario which wasn't in the original plan during application development.
- **October 11, 2024** - Lead the refactoring of a major feature which removes significant code duplication across three business units and applications.
- **October 11, 2024** - Brought a new organization live on the platform well ahead of schedule.
- **August 12, 2024** - Received recognition for always being available to mentor and help others.