

Jakub Kiermasz

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COMMERCIAL EXPERIENCE

SpotOn

Staff Software Engineer

Senior Software Engineer

Remote

March 2023 - Current

September 2021 - March 2023

- Led the architecture redesign project for the app, transforming it from a monolith into a **modularized clean architecture**, which significantly improved code maintainability, scalability, and **decreased average build time by over 60%**
- **Designed a highly efficient core functionality** solution for the company's flagship mobile application, which was deployed to production without any issues after three prior rewrites. It continues to serve as the foundation for the app for over two years
- Assumed a mentorship role, guiding and coaching **two interns** and offering technical expertise to team members to enhance their proficiency. They received a job offer after the internship
- Suggested improvements to the recruitment process, leading to a **25% decrease in the frequency of rejected candidates** advancing to the second stage.
- Collaborated closely with senior management to develop comprehensive product development plans, providing technical insights and recommendations to **align the product roadmap with technical capabilities**
- Introduced modern development tools and frameworks, such as **XcodeGen, SwiftGen, CoreData, SwiftUI** and **SPM**, to enhance the efficiency and maintainability of the development process
- Collaborated directly with backend developers and solution architects to include existing mobile apps into a company-wide, highly scalable project. This involved utilizing advanced techniques like **sharding, Okta Auth, Kafka**, and payment processing to ensure seamless integration and performance
- Gained practical experience in **Kotlin Multiplatform**, including a company-wide analysis of its potential use cases and associated advantages and disadvantages, mostly focused on **business-logic sharing**

Zendesk

iOS Software Engineer

Remote

March 2021 - September 2021

- Participated in the development *Support* and *Sell* products, leveraging expert knowledge in **Core Data** and **messaging** technologies with some **Objective-C** experience. These contributions resulted in feature-rich and highly performant applications, enhancing the user experience by **seamlessly performing actions** involving **millions of objects**
- Participated in meticulous and **data-driven decision-making processes**, involving the preparation of comprehensive research documents and the rapid dissemination of knowledge within the team
- **Presented, explained, and championed a modular approach** to application development within the team, emphasizing the benefits of scalability, maintainability, and code reusability

Summer Agency

iOS Developer / Tech Lead

Cracow, Poland

Nov 2019 - March 2021

- Participated in the **negotiation process** by spearheading the preparation of comprehensive **development plans**, detailed **algorithms** description, and thorough **security assessments**. These contributions ensured that all technical aspects were well-documented and aligned with the client's requirements
- Collaborated closely with **cross-functional teams**, including project managers, developers, and quality assurance, to ensure seamless project execution and timely delivery. This involved providing technical guidance and overseeing the development lifecycle
- Actively engaged in knowledge sharing within the organization, conducting internal training sessions and workshops to enhance the team's technical expertise in areas such as **Bluetooth Low Energy, secure communication protocols**, and **HealthKit**, which were the main elements of the projects I was involved in

Ailleron iOS Developer

Cracow, Poland
July 2018 - Nov 2019

- o Gained valuable hands-on experience with **Agile methodologies**, contributing actively to sprint planning, daily stand-up meetings, and sprint retrospectives. Collaborated effectively with cross-functional teams to ensure the timely development and delivery of high-quality features
- o Developed a strong understanding of the IT project workflow. This experience has sharpened my project management skills and reinforced my **commitment to delivering results**
- o Engaged in regular code reviews, both as a contributor and reviewer, actively learning from feedback and improving coding practices. These code reviews fostered a culture of quality and collaboration within the development team
- o Demonstrated exceptional adaptability by taking on the responsibility of **upgrading the project to Swift 3 just one month after joining the team**, showcasing a strong grasp of the Swift programming language and a commitment to staying up-to-date with the latest developments in iOS development
- o Successfully integrated the project with Adyen SDK and WSPay **payments gateway**, expanding the application's payment processing capabilities and ensuring a smooth and secure payment experience for users

SKILLS

- o Programming languages:
 - Mastered Swift (with modern Cocoa Touch stack, async/await etc.),
 - Objective-C,
 - C++
- o Clean & Modular architecture
- o Design patterns
- o (Unit, Integration, UI) Testing
- o Asynchronous and multi-thread programming
- o OOP, POP
- o GraphQL/RESTful API design
- o Xcode, Instruments, TestFlight, App Store Connect
- o macOS, Linux
- o UML, and design tools
- o Git & Git flow
- o Continuous product deployment (GitHub actions, fastlane, ...)
- o Algorithms
- o Problem solving
- o LaTeX
- o JIRA

SPEAKING

1. May 2023 @ SwiftHeroes – *Building high-performant programs by understanding Swift ABI*
2. Apr 2023 @ CocoaHeads Kraków #41 – *What spells does the ARC wizard use?*
3. Nov 2022 @ CocoaHeads Kraków #40 – *Building high-performant programs by understanding Swift ABI*

EDUCATION

Jagiellonian University, Faculty of Mathematics and Computer Science
Computer Science
Master's degree

Jagiellonian University, Faculty of Mathematics and Computer Science
Computer Science
Bachelor's degree