

René Doháň

Software Developer

2005 – Present

I was good and capable developer 10 years ago. Now a vibe coder :)



AI-Driven Developer | Native iOS & Android (Kotlin, Swift, C++) | Front-end (TypeScript, React, Vue, Next.js) | Based in Bali



I'm a seasoned software engineer with expertise across the full development lifecycle—whether flying solo or collaborating in agile teams.

- **Mobile & Native:** Kotlin, Swift, Java, Objective-C, C++
- **Front-end & Web:** TypeScript, React, Vue.js, Next.js, SQL
- **Backend & DevOps:** Firebase, PHP (Yii), Docker, scripting
- **Testing & Methodologies:** Unit/UI testing, TDD, Scrum
- **Emerging Tech:** AI-driven tools and workflows

Past work includes .NET Framework, J2EE/Eclipse platform, and extensive server-side PHP development. I thrive on tackling any technical challenge.

Native Android apps focused on live audio recording and processing

- **Music Studio:** all-in-one multi-track recording, sequencing, looping and editing music production software
- **FxRack:** real-time audio effects rack with customizable effects
- **Mix:** multi-channel mixer for live balancing and gain control
- **Metronome:** precision tempo guide with visual and haptic cues
- **Looper:** multi loop live recording with overdub support and live performance capabilities
- **MIDI Sequencer:** pattern-based step sequencer for MIDI hardware
- **MIDI Controller:** customizable on-screen controls for external synths
- **Drums:** all-in-one drums focused app
- **Piano:** all-in-one piano focused app
- **Guitar:** all-in-one guitar focused app

Technologies: Kotlin for UI & app logic, C++ audio engine for low-latency DSP, Firebase (Realtime Database, Cloud Functions, Analytics), automated testing with Espresso & UIAutomator, unit testing with JUnit & Mockito.

Renetik Music Apps
Development of music production apps
December 2023 – June 2025

Plaut Slovensko, s.r.o.
Web Developer (Part-time)
February 2025 – May 2025

Web development on an existing project

- Contributed to an existing web application using PostgreSQL for data storage
- Implemented backend features with PHP and the Yii framework
- Containerized services and managed deployment workflows with Docker

Technologies: PostgreSQL, PHP, Yii Framework, Docker, Git.

Cross-platform app enhancements and legacy code modernization

- Working on both Android and iOS platforms: refactored and improved legacy Java/Kotlin code base, and evolved my own Swift app version originally developed three years ago
- **Google Play – Motorkari.cz Android:** optimized performance, modernized UI for material design compliance
- **App Store – Motorkari.cz iOS:** updated to Swift 5, integrated new push-notification workflows and background sync

Technologies: Kotlin & Java (Android SDK), Swift & Objective-C (iOS SDK), MVVM architecture, RESTful APIs, Firebase Cloud Messaging, Git for CI/CD.

Motorkari.cz
Android & iOS Developer (Part-time)
June 2024 – June 2025

Biolling
Android & iOS Developer (via Sequenex team)
August 2022 – January 2024

Development of native iOS apps, SDKs, and medical device integration

- Collaborated on the iOS and Android SDK for glucose-scanning medical devices in diabetes care
- Operated in a multinational remote team using Scrum, Git flow, code reviews and an API-first design approach
- Defined and implemented Gherkin-based test scenarios during the design phase for extensive QA coverage
- Secured FDA review and approval by adhering to best practices in medical software development
- Extended existing iOS applications and built example iOS & Kotlin sample apps to demonstrate SDK integration

Android app development, .NET backend, SQL database

- **Sensoneo OLO Passport App, Server API, DB** Electronic waste collection system

Sensoneo
Full-stack Developer
March 2022 – Present

Renetik Instruments
Full-cycle Product Developer
March 2021 – April 2022

End-to-end development of Android apps, website, graphics, and design

- **Renetik Instruments** Music Production Android Apps & Website

Android & iOS apps for national census

- **For SODB 2021** **Android & iOS apps** Census of Republic of Slovakia, native mobile applications iOS & Android

SODB 2021
Lead Mobile Developer (via Plaut / Bowbook)
July 2020 – March 2021

Renetik Software
Frontend Developer
2019 – 2020

Native mobile and web development with backend support as needed

- **Charts for Bot Media** Configurable Vue.js chart component using chart.js and written in typescript
- **Om Writer** Android app in Kotlin, released as first application by Renetik Software

Mobile, web, and backend development

- **Hand Writer** Android app in Kotlin, web in Vue.js (Typescript), backend developed with Firebase
- **Property Farmer** Android app in Kotlin, Amazon S3 storage, Spring backend hosted on Heroku

T Johnson Marketing
Freelance Developer
2018 – 2019

Moto portal s.r.o.
iOS Developer
2017 – 2020

iPhone & iPad app development for Motorkari.cz

- **Motorkari** iPhone and iPad app originally in Objective-C, now rewritten to Swift

Development of Rcherz suite: iOS, Android, and Scoring apps

- **Rcherz iOS** big iPhone / iPad app written in Objective-C
- **Rcherz Android** large Android application written in Java
- **Rcherz Scoring** mission critical app for Android used for scoring competitions

Bowbook, s.r.o.
Mobile Applications Developer
2014 – 2021

Renetik Software
Independent Developer
2011 – 2016

Development of iOS/Android libraries and hobby apps

- **Renetik Android** Software library written in Kotlin used as base for my professional projects
- **Renetik iOS** Software library in Objective-C and Swift, used in my professional projects
- **Force Quit** Small desktop application for MacOS written in objective-c

Development of diverse Android and iOS applications

- **Promile Lady** Android app for testing of alcohol level after some drinks, styled for woman
- **Pilsner & Kozel Compass** iPhone app for finding closest bar for specific beer brand
- **TV Markiza Archiv** iPhone and iPad app for TV Markiza

TRIAD Advertising s.r.o.
Mobile Applications Developer
2011 – 2014

Various Clients
Freelance Developer
2010 – 2013

iOS and Android app development

- **Live Agent Mobile** Two apps, one for Android and other for iPhone/iPad
- **Post Affiliate Pro Mobile** Two applications, for iPhone and Android, for Quality Unit
- **Taxicar** Two Android native applications in Java similar to Uber app, that didn't exist back then.
- **Regiofood** Android as well as iPhone and iPad applications in Java and Objective-C respectively

Full-stack development on SaaS and desktop tools

- Agile team development (Scrum, TDD, pair programming)
- Web app: Live Agent Pro – GWT, PHP, JavaScript, MVP
- PDF parser/generator in PHP (Adobe PDF spec)
- Maintenance of Aff Notify, Unit Miner Studio

QualityUnit
Senior Developer
2008 – 2010

Half-Pixel Studio
Java Developer
2008

PDF Viewer app for magazine publisher

Java (Swing), PHP, PDF libraries

Java and C# desktop applications

- Unit Miner script editor (Eclipse RCP)
- J2EE web apps (JSF)
- OCR app in C# for U.S. client
- Wireframe editor (cancelled)

QualityUnit
Junior Developer
2005 – 2008

Slovak Technical University, Bratislava
Student
2001 – 2005

Bachelor's Degree in Computer Software Engineering

Bachelor's degree

Telecommunications company

HTML, Linux, wireless networks; systems setup and installation

MOVYS, a.s.
Technician & Web Administrator
2000 – 2001

University of Architecture, Bratislava
PC Administrator
1999 – 2000

IT support for architectural computing

Windows, AutoCAD, networking, Linux

Computer assembly, software installation, and customer service

Hands-on experience with hardware, networking, and retail support

Marsoft Computer s.r.o.
Technician & Sales
1997 – 1999