

Bartosz Cichosz

Senior Software Engineer

Łódź, Poland

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Professional Summary

Seasoned Software Engineer with over 15 years of experience in mobile and automotive software development, with the main highlight of my career being Android app development. I possess proven expertise in the automotive industry, including integrating speech recognition and connectivity features for car head units. I excel in attention to detail in design, proactive problem-solving, and rapid learning.

Core Skills

- Programming Languages: Kotlin, Java, C++
- Frameworks & Libraries: Android SDK, Dagger, Coroutines
- Tools & Platforms: Android Studio, Git, Jira, Confluence, GitHub
- Testing: JUnit, Espresso, Cucumber, Mockk
- Architectures & Methodologies: MVVM, Clean Architecture, Agile (Scrum, Kanban)

Professional Experience

Senior Software Engineer

TomTom, Łódź, Poland

October 2020 – July 2025

- Collaborated in a multinational project spanning teams across 4 countries to develop a configurable navigation application and SDK for integration into car infotainment systems, ensuring adaptability for multiple car manufacturers.
- Designed and implemented map-related features using Kotlin and Kotlin Multiplatform (KMP), enabling cross-platform delivery beyond Android while adhering to Clean Architecture and MVVM patterns for scalable, maintainable code.
- Served as a key player in designing the architecture and API for the module integrating the map rendering engine into the application, facilitating seamless performance and compatibility.
- Heavily involved in the integration of the map management module for a major client, optimizing functionality and ensuring robust incorporation into the overall system.
- Contributed to the migration of the application to a new navigation engine.
- Participated in team-wide code reviews to maintain high code quality; developed unit tests, Android tests, and integration tests using JUnit, Espresso and Cucumber frameworks, ensuring comprehensive testing coverage across features.

Senior Software Engineer (Promoted from Regular Software Engineer and Junior Software Engineer)

Harman (formerly Symphony Teleca / Teleca Poland), Łódź, Poland

September 2008 – September 2020

- Supported the sales department by conducting technical assessments and developing proofs-of-concept (POCs) for potential clients, contributing to project acquisitions in the automotive sector.
- Contributed to UI layer development for TomTom's navigation applications, optimizing user interfaces for Android-based automotive navigation using Android and Java.
- Developed and maintained diagnostic modules within AUTOSAR-based system platforms for next-generation car head units using C and C++, ensuring reliable functionality for a major automotive client.
- Enhanced connectivity capabilities within Harman's platform for a key automotive industry player using C++, for better system interoperability and user experience in infotainment systems.
- Served as a contractor for Continental, integrating a speech recognition engine into their automotive platform using C++ to improve voice-controlled features.
- Acted as a contractor for TomTom, integrating different voice recognition engines (Voicebox and Nuance Vocon) and text to speech engines into Android applications using Java, Mockito, JUnit, and Cucumber, enabling seamless voice interactions.
- Enhanced Android Open Source Project (AOSP) with IMS and RCS features as part of an ST/Ericsson collaboration, advancing mobile communication capabilities (though not merged into mainline Android).
- Maintained Nokia mobile phone gaming platform using Symbian and C++, focusing on network communication modules; also prepared and tested OS variant customizations for GSM network operators in early projects.

Education

Master of Science, Engineer in Computer Science

Lodz University of Technology, Faculty of Electrical, Electronic, Computer and Control Engineering, Institute of Applied Computer Science

Graduated in 2010

Languages

- Polish (native)
- English (fluent)