Kirill Timofeev

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Work Experience

October 2017 – present Software Developer at JetBrains, IntelliJ IDEA team	Working on profilers support for IntelliJ based IDEs ○ Implemented state of the art low-overhead sampling Java+Native profiler for Windows, gave a talk about it ○ Developed platform API and UI components used by IntelliJ IDEA, CLion, RubyMine and GoLand ○ Worked on different CPU and Memory performance optimizations ○ Implemented profiler integration with Gradle and Maven build systems ○ Did code reviews and mentored colleges on different topics ○ Hosted summer internship project *Technologies: Kotlin, Java, C++, Windows and POSIX APIs, Native Debugging, x86-64 Assembly, JVM Internals, JVMTI Agents, Gradle*
June 2017 – September 2017 Software Developer at JetBrains, Kotlin team	Developed prototype of debugger for Kotlin coroutines, consisting of two parts: bytecode transformer and IntelliJ IDEA plugin *Technologies: Kotlin, JVM, Bytecode Transformation, Gradle*
July 2016 – October 2016 Software Developer Intern at Yandex	Developed internal infrastructure services. Created Data Analysis System to unify data received from multiple sources *Technologies: Java + Spring, MySQL and MongoDB for web services, Python for data analysis*
October 2015 – April 2016 Android Developer at Yandex.Money	Developed Android application for the largest electronic payment service in Russia *Technologies: Java and AndroidSDK, Gradle*

Conferences

2020	Joker (the largest Java conference in Russia) – To make JVM profiler win_able (slides, video, RU)
2021	Novosibirsk Java User Group – To make JVM profiler win_able (RU)

Education

ITMO University, M.Sc in Software Engineering
ITMO University, B.Sc in Applied Mathematics and Informatics

Strong skills in: Kotlin, Java, Knowledge of JVM internals, Native Debugging
Work experience with: C++, C, x86-64 Assembly, Android Sdk, Spring, SQL, MongoDB, Python
Familiar with: Scala, Haskell, PHP, POSIX-compliant systems and Windows