

Andrei Silviu Dragnea

Professional automator. Strong believer in the power static analysis, refactoring and automating every aspect of the software development process. A developer eager to make other developers' lives easier.

Education

2013-2017 **BSc, Computer Science and Engineering;** Faculty of Automatic Control and Computers, Politehnica University of Bucharest (Bucharest)

*Thesis title: Automatic Recursion Removal in Java (as an **IntelliJ Plugin**)*

Experience

- IntelliJ plugin developer
- Spring framework and reactive programming
- Open source contributor to **intellij-kotlin**, **mockito**, **intellij-community**, **reactor-core**, **reactor-netty**, **netty**, **spring-framework**.
- Proficient in Java, Kotlin, C and Python
- Passionate about static analysis and automatic refactoring in Java and Kotlin
- Working on a personal project for automatically converting Java reactive code to Kotlin coroutines
- Experience with enterprise identity protocols and frameworks, such as OAuth2, SCIM2, SAML
- Worked with AWS EC2, S3, Route53, Cloudwatch, Splunk, Datadog, NewRelic, Azure Active Directory
- Good knowledge of Operating Systems internals, reactive programming frameworks like Project Reactor and Spring internals
- Promoter of the **clean tests** paradigm

March 2018 **Software Engineer at Adobe** I am part of the Identity Management Services team. I worked on implementing the server side of the SCIM2 protocol over a Spring 5 reactive stack. I developed a thin wrapper over Mockito and Spring Test-Context framework in order to promote writing **clean tests**. I introduced Kotlin and coroutines to our team, as a developer-friendly alternative for writing non-blocking code. I made major software architectural changes by using smart refactoring tricks, resulting in a simpler system design.

- Present

September 2017 - December 2017 **Software Engineer at Instacar** I implemented a TCP server over a proprietary binary protocol for remote car control. I introduced type hints to the Python 3 codebase, and I developed a Pycharm **plugin** for dead code elimination.

I always strive to find the simplest solution possible to a problem. I proactively fix problems from any software project that I encounter, whether it is internal to my company, or an open source project.

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