

# ALEXANDRU STOICA

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## EXPERIENCE

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MAY 2019 APRIL 2020	<b>Software Engineer at RegulaItion</b> Built a syntactic and semantic parser for financial regulations. Used natural language processing tools to perform data mining from legal texts. Responsible for research on automatic modelling and analysis of regulation. Built and deployed 5 microservices for document readability checking using Spring Boot and Netflix OSS (Zuul, Eureka). <b>Key Result</b> Developed a question generator for legal English using Kotlin.
JULY 2018 DECEMBER 2018	<b>Software Developer at X2Mobile</b> Implemented two application using React-Native and WebSocket technologies. Built one driver for digital scales from Dymo using Python. Established a self-updating environment for Dymo drivers using Docker. <b>Key Result</b> Used behaviour-driven development to increase the product's testability by 24%.
JUNE 2017 AUGUST 2017	<b>Swift Developer Intern at SniperLabs</b> Developed one iOS application using functional programming and NoSQL. Improved the UX by implementing 6 interface animations using Swift. <b>Key Result</b> Implemented $\approx 240$ test cases using test-driven development.

## EDUCATION

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OCTOBER 2018 <i>Current</i>	<b>Master in Software Engineering</b> Babeş-Bolyai University, Cluj-Napoca Expected Graduation: July 2020 Thesis Generating Executable Flows as Support System for Regulatory Decisions
OCTOBER 2015 JULY 2018	<b>Bachelor in Computer Science</b> Babeş-Bolyai University, Cluj-Napoca Thesis Model for reporting spatially concentrated law violations

## SKILLS

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PROFICIENT	Kotlin, Java, Python, Haskell, OCaml, Bash, Latex
FAMILIAR	Oz, Swift, C#, AppleScript, Matlab, Prolog, Lisp
FRAMEWORKS	React, React-Native, Spring, Spark, Hadoop, Flask, Bootstrap
DATABASES	MySQL, SQL, MongoDB, Cassandra
LINGUISTIC	Romanian (native), English (advanced)

## INTERESTS AND ACTIVITIES

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I participate in community meetings on functional programming topics.  
I volunteer at educational and cultural events in my free time.  
I enjoy puzzles and board games with my friends.