

ALEXANDRU STOICA

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EXPERIENCE

MAY 2019 <i>Current</i>	Software Engineer at RegulaItion 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).
Key Result	Developed a question generator for legal English using Kotlin.
JULY 2018 DECEMBER 2018	Software Developer at X2Mobile 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.
Key Result	Used behaviour-driven development to increase the product's testability by 24%.
JUNE 2018 AUGUST 2018	Swift Developer Intern at SniperLabs Developed one iOS application using functional programming and NoSQL. Improved the UX by implementing 6 interface animations using Swift.
Key Result	Implemented ≈ 240 test cases using test-driven development.

EDUCATION

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

SKILLS

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

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.