

Dragos Fotescu

SOFTWARE ENGINEER · SECURITY ENTHUSIAST

Barcelona, Spain

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Experience

Saveboost - Digital piggy bank. Among other things, automatically save and invest your spare change.

Barcelona, Spain

SOFTWARE ENGINEER

Feb. 2017 - Present

- Developed algorithms for helping people to save money that successfully processed more than 80,000 bank transactions.
- Detected, reported and fixed 10 major vulnerabilities (average of 8 in CVSS) both in our systems and in our providers' ones that could have led to account theft, monetary losses or sensible and personal financial information leakage.
- Member of the founding team. Building, architecting, scaling, designing, optimizing and maintaining servers, REST APIs, databases, chatbot, web-app and other internal software from scratch.

Shargo.io - Crowdshipping same-hour on demand delivery platform.

Barcelona, Spain

BACKEND ENGINEER

Jun. 2016 - Jan. 2017

- Optimized revenue per ride from a constant 30% to an average of 50% implementing different real-time logistics problems like dynamic-pricing, nesting and polling algorithms.
- Reduced the time spent by the operations team on planning big routes in a 80% implementing an heuristic approach of a Vehicle Routing Problem and automating other tasks.
- Performed several security audits with a result of 5 critical flaws including sensible information leakage, balance manipulation, improper authentication and more than 10 other major flaws that could lead to remote code execution or monetary losses.

Awards

Google Vulnerability Reward Program

GOOGLE, INC.

- Discovered an expression injection flaw in the AngularJS template.
- Discovered an arbitrary upload to a Google's sandbox server linked to a Google page.
- Top 140 on Google's Hall of Fame over more than 1000 people. Check my [Google bughunter profile](http://dragosfotescu.com/bh/).

Education

B.S. in Computer Science and Software Engineering

Barcelona, Spain

POLYTECHNIC UNIVERSITY OF CATALONIA (UPC)

2013 - Present

- **Featured courses:** Data structures and Algorithms, Software Architecture, Artificial Intelligence, Videogames, Computers Network, Design and Administration of Databases, Operating Systems, Parallelism, Project Management, Compilers and Programming Languages.
- Participated in several hackathons. Both in my local university and in others like **PennApps** (University of Pennsylvania) or **OxfordHack** (University of Oxford).

Skills

Security (Pentesting and Ethical Hacking), Unix, Software Architecture, Backend and Scalability, Artificial Intelligence, Algorithms and Data Structures, Product/Project management, Public Speaking

Proficient: JavaScript, NodeJs, MongoDB

Familiar: Python, C++, Java, SQL, VueJS

Native proficiency in **Spanish, Catalan** and **Romanian**. Professional proficiency in **English**.

Musical proficiency with Piano, Classic/Modern Guitar and Bass Guitar.