

# 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 40,000 bank transactions.
- Detected and reported 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.
- Building, architecting, optimizing and maintaining servers, REST APIs, databases, chatbot, web-app and other internal software.

**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 pricing, nesting and polling algorithms.
- Reduced the time spent on a daily basis by the operations team on planning routes with a range of 100 destinations in a 80% implementing an heuristic approach of a Vehicle Routing Problem.
- 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 Engineering

Barcelona, Spain

POLYTECHNIC UNIVERSITY OF CATALONIA

2013 - Present

- Featured courses: Data structures and Algorithms, Software Architecture, Computers Network, Design and Administration of Databases, Operating Systems, Parallelism, Project Management.
- Participated in several hackathons. Both in my local university and in others like University of Pennsylvania or University of Oxford.

## Skills

**Proficient:** JavaScript, NodeJs, MongoDB, Git.

**Familiar:** C++, SQL, VueJS.

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