Dragos Fotescu

Software Engineer · Security Enthusiast

Barcelona, Spain

☐ (+34) 675 633 864 | ✉ me@dragosfotescu.com | ⌂ http://dragosfotescu.com | ⌨ drag0s | in dragos-fotescu | Ⓢ dragosfotescu

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 auditions 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++, Java, SQL, VueJS.

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