

# Dan Cristian Octavian

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Github: <https://github.com/danoctavian>

## Work Experience

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### **Qiibee - Integration Lead, Blockchain Engineer, sprint manager** (June 2018 - present)

- Leading the brand integration process for a blockchain-based loyalty points platform
- Built infrastructure for a succesful 7 million+ dollar ICO
- Built API, SDK and Loyalty-chain <-> Ethereum mainnet bridge and Binance-chain bridge, supporting hundreds of thousands of rewards, thousands of dollars of cashed out rewards on ethereum main-net and resulted in one brand expanding programme from 5 to 50 locations

*Tools used:* Node.js, AWS, Ethereum, Parity, MySQL, Travis

### **QuanticMind - Software Engineer** (March 2015 - June 2018)

- Developed systems to push/pull millions of records of ad data to/from Google, Bing (and others) Integrated call tracking product with existing infrastructure which brought in 2 extra customers, bridging the gap between the US and Argentina teams.
- Improved the push pipeline performance by 60% for large uploads, providing a 2x better performance compared to standard AdWords tools.
- Transitioned internal architecture to a microservice architecture. Implemented microservice authentication

*Tools used:* Java, Scala, Redshift, Kafka, AWS

### **King - Data Scientist intern** (July 2014 - September 2014)

Worked on ad real-time bidding; targeting high-spenders and optimizing ad campaigns with logistic regression

*Tools used:* Python, Java, Hadoop, Hive, Exasol, Mahout, Jenkins

### **Amazon - Software Development Engineer Intern** (April - September 2013)

Worked on the Silk browser for the Kindle tablet. Built data analysis pipeline, prototyped a framework for crawling and analyzing web content

*Tools used:* Java, Javascript, Hadoop, Amazon Web Services, Git, Phantomjs, Amazon's build/deploy system

### **Bloomberg LP - Systems Team Software Developer Intern** (June - September 2012)

Worked on a proprietary software package manager

*Tools used:* C++, Javascript, Python, SQL, Google C++ Testing Framework, Subversion

## Skills

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**Programming languages:** Javascript, Java, Python, Solidity,, Haskell, Scala, Go, C++, Assembly, Prolog

**Other skills:** Amazon Web Services, Ethereum blockchain, Cryptography, Linux, Kafka, Web scraping

**Languages:** Romanian (native language), English (fluent), Spanish (elementary)

## Projects

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**Steam Community Market smart contract trading** - Secure peer-to-peer trading of game items for cash with SugarSkins <https://github.com/sugarskins>

**BitSmuggler:** BitTorrent based network tunnel for censorship circumvention; written in Haskell <https://github.com/danoctavian/bit-smuggler>

## Education

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### **Imperial College London – Computing MEng** (October 2010 - June 2014)

Overall grade: First class Honours

Main projects:

- ★ Master's project - censorship circumvention tool for the Tor network in Haskell
- ★ PintOS operating system - implemented process scheduling, system calls and virtual memory

Among completed courses: Software Engineering (Design and Algorithms), Operating Systems, Compilers, Functional/Object Oriented/Logic programming, Graphics, Computer Architecture, Statistics

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**Teaching experience** - taught a Concurrency in Haskell lecture at the University of Buenos Aires - 2016