Dan Cristian Octavian

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Github: https://github.com/danoctavian

Work Experience

Qiibee - Head of Backend Engineering (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

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

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

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