

Dan Cristian Octavian

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

Work Experience

NexusMutual - Software Engineer (April 2020 - present)

➤ Building Ethereum smart-contract solutions for insurance

Tools used: Ethereum, Solidity, Node.js, AWS

Qiibee - Head of Backend Engineering (June 2018 - April 2020)

➤ Leading the brand integration process for a blockchain-based loyalty points platform

➤ 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

➤ Built tooling for successful 7 million+ dollar ICO

Tools used: Node.js, AWS, Ethereum, Parity, MySQL, RabbitMQ, 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)

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

<https://github.com/danoctavian/bit-smuggler>

★ 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

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