Conor Scott

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EDUCATION

Johns Hopkins University, Baltimore, Maryland, USA

Master of Science in Applied Mathematics (M.S.) Sep 2011 – May 2014
- Cumulative GPA: 3.75 / 4.0

Virginia Tech, Blacksburg, Virginia, USA
Bachelor of Science (B.S.) in Computer Science
Bachelor of Science (B.S.) in Mathematics Aug 2006 – May 2011
- Cumulative GPA: 3.7 / 4.0, In Major GPA: 3.9 / 4.0

WORK EXPERIENCE

ConorTech
Freelance Blockchain Developer and Consultant Nov 2017 – Present
- Consulting for companies building and developing blockchain related technology
- Contributing to Bitcoin Core and related projects

Clevertech
OTCmarkets.com API Developer (Under Clevertech Contract) - Remote Oct 2017 – Dec 2017
- Managing team of 5 engineers to redesign and update API for financial market data.

Pave.com Lead Engineer (Under CleverTech Contract) - Remote Sep 2016 – Dec 2017
- Architected and implemented split of monolithic web app into manageable microservices, including necessary data migrations from MongoDB to PostgreSQL
- Dockerized all services and migrated entire deploy / cron processes to Kubernetes cluster with continuous integration via Jenkins / git integration.
- Primary developer for service modeling credit worthiness of loan applicants using proprietary data model with 50+ scoring factors.

Genymotion API Developer (Under CleverTech Contract) - Remote Sep 2015 – Jun 2016
- Implemented microservices for GenyCloud MVP, including android emulator management, licensing, authentication, user profiles, and API gateway.
- Helped implement billing API to replace existing PrestaShop store.

Johns Hopkins University Applied Physics Lab
Software Engineer (Associate Professional Staff II) - Columbia, MD Jun 2011 – May 2015
- Collaborated in a rapid development and prototyping environment delivering software to several government agencies with urgent time constraints
- Lead member of video exploitation team focused on providing real-time encoding, decoding, storage, dissemination, and exploitation capabilities for military grade optical sensors
- Implemented command and control interfaces to several optical sensors and automated tracking of moving targets to reduce workload of sensor operator
- 600+ hours experience on site (80+ hours in military aircraft) working directly with client and users to provide delivery, training, maintenance, and feedback for deployed systems
- Two achievement awards (2013,2014) recognizing competency and effort in meeting needs of client

International Business Machines (IBM)
Extreme Blue Intern - Austin, TX May 2010 – Aug 2010
- Helped create a run-time option for the Linux B-tree file system (btrfs) that caches frequently accessed files to solid state drives (SSDs) in hybrid store pools. The project led to a patent (noted below).

Software Engineer Co-Op - Raleigh, NC Jan 2009 – Aug 2009
- Worked with globally distributed development team for delivery of Rational Quality Manager v2.0 with a focus on creating test report templates

TECHNICAL SKILLS

Areas of specialization: Integration of blockchain technology, backend development with NodeJS/Django/Flask, DevOps on AWS with Jenkins/Kubernetes/Anisble, Linux architecture, multi-threaded processing, image processing and exploitation, real-time encoding and streaming, target detection and tracking, sensor control interfaces, data analysis and correlation

Programming Languages: Strong in C/C++, Python, JS stack, Capable in R, CUDA, Ruby, Java, Perl, Csh, Bash, Lua, Matlab

PATENTS

Conor Scott, Mingming Cao, Ben Chociej, Steven M. French, Matthew R. Lupfer, Steven L. Pratt. 2013. Hybrid data storage management taking into account input/output (I/O) priority, US Patent 20130073783, Filed Sep 15, 2011, Published Mar 21, 2013