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

Virginia Tech, Blacksburg, Virginia, USA
Bachelor of Science (B.S.) in Computer Science
Bachelor of Science (B.S.) in Mathematics   Aug 2006 – May 2011

WORK EXPERIENCE

Freelance Blockchain Consultant and Developer   Nov 2017 – Present
- Help companies understand and best utilize blockchain technology
- Develop smart contracts (ETH/NEO/EOS) and integrate cryptocurrency payments
- Provide security models and design architecture for integrating blockchain systems
- Contributing to Bitcoin Core and related projects

Clevertech

OTCmarkets.com API Developer - Remote   Oct 2017 – Dec 2017
- Led team of 5 engineers to fully redesign and update API for financial market data, leading to an overall more scalable and responsive system.

Pave.com Lead Engineer - Remote   Sep 2016 – Dec 2017
- Designed 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
- Primary developer for service modeling credit worthiness of loan applicants, intelligently processing 80+ scoring factors into risk-reduced, competitve loan rates.

Genymotion API Developer - 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
- Rapid development and prototyping environment delivering advanced mission systems to multiple 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
- Developed low-level command and control interfaces to optical sensors and radar, building algoritms for automated detection and tracking of moving targets
- Real-time integration and correlation of multiple data sources (radar, video, electronic) leading to full situation awareness for field of regard.
- 600+ hours experience on site (80+ hours in military aircraft) working directly with client and sensor operators 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: Blockchain engineering, backend development with JS/Python stack, devops and continuous integration, Linux architecture, parallel computing, image processing, 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, Php, 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