Anthony John Burzillo

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Work Experience

Bloomberg LP

Infrastructure Champion with DevX: Static Analysis & Automated Refactoring

New York, NY
May 2018 - Present

- Created tools that analyze the existing codebase with C++ and Haskell to perform various bug/anomaly detection and refactoring tasks
- Contributed a constant propagation framework to open source for creating propagations of deterministic constants of arbitrary type through C/C++ function source units
- Spent personal time creating an automatic data gathering framework and aggregated web-based display for a company-wide initiative. The tool has since been adopted and contributed to by multiple organizations across the company with heavy use by management

BurzNest LLC

Founder & CEO

New York, NY
March 2018 - November 2018

- Executed on a business plan to create an Ethereum gaming company, releasing the game King of Eth in October 2018
- Established an extensive knowledge of distributed contracts programming, with King of Eth spanning 19 contracts written in Solidity

Bloomberg LP

Infrastructure Champion with Listed Derivatives

New York, NY
June 2015 - May 2018

- Designed and implemented improvements to a non-transactional in-memory database for large volumes of read and write operations per second
- Developed low-latency, real-time services backing applications for traders in the listed options market, churning out pricing, volatility, and greeks on the order of milliseconds
- Created Chef/Terraform-based automation to facilitate quick machine configurations and turnarounds in both cloud and server based environments
- Devised a library and related tools to automate multi-step, laborious processes for both my own as well as my team's use. The library and tools now have 1000+ daily users and have been taken over by the teams in their area to maintain as the de-facto tools for these problems/workflows

Technical Skills

- **Languages:** C/C++, Haskell, Python, JavaScript, Solidity, Ruby, OCaml, Java, C#, bash, LaTeX
- **Frameworks:** Chef, Django, Docker, LibTooling, React, Ruby on Rails, Terraform, web3, Yesod
- **Operating Systems:** Linux (RHEL/CentOS & Ubuntu), Mac OSX, Windows, Solaris, AIX
- **Software:** cron, dpkg, geth, git, Jenkins, quilt, redis, stack, svn, systemd, tmux, vim
- **AWS:** API Gateway, CloudFront, EC2, Lambda, RDS, Route 53

Talks

F-Algebras or: How I Learned to Stop Worrying and Love the Type System
NY Haskell Meetup

New York, NY
November 2016

The Good, the Bad, and the Ugly: Haskell in Enterprise
NY Haskell Meetup

New York, NY
May 2019

Education

The Johns Hopkins University
B.A. in Mathematics with a second major in Computer Science
GPA 3.54; Dean's List – Fall 2011, Spring & Fall 2012

Baltimore, MD
May 2015

Self-taught Programmer

Summer 2001

Please refer to GitHub for my personal projects