

Anthony John Burzillo

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Work Experience

Bloomberg L.P.

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
- Employed Python to create user-driven static analysis tooling for much larger sets of code tools
- 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/contributed to by multiple organizations across the company

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 L.P.

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 tools to automate multi-step, laborious processes for both my own as well as my team's use. These tools subsequently became so popular across the company that they have been taken over by the specific teams responsible for each tool's area to maintain as the de-facto tools for these problems

Technical Skills

- **Languages:** C/C++, Haskell, Python, JavaScript, Solidity, Ruby, OCaml, Java, C#, bash, L^AT_EX
- **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-Algbras 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