Christopher Crain

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EDUCATION: Bachelor of Science, Economics- Graduated May 2015,
Seton Hall University, South Orange, NJ; Final GPA: 3.7

JOB EXPERIENCE:

Infrastructure Engineer, April 2023 to present
Stone Ridge Asset Management. New York, NY

- **Automation centric role**. Focuses on using off the shelf and custom code to automate repetitive tasks for the Help Desk, Infrastructure team, Dev team, and business. Includes duties as an engineer for corporate IT infrastructure.
- Create ticket based automation in Jira to perform infrastructure and help desk operations. Runs Powershell, Python, bash, or triggers a Logic app using GitHub Actions depending on ticket fields. This includes the creation of both the code base and workflow files in GitHub.
- Build automation for, support, and manage "conventional" enterprise Windows and Linux IT infrastructure and endpoints (AD, DNS, DHCP, Mimecast, Crowdstrike, O365 suite, Shared Drives, etc) and ETL-centric line of business applications.
- Created the Infrastructure Team's CI/CD pipeline in GitHub actions for multiple Terraform applications (Azure, AWS, Okta, Citrix, Cloudflare, Zscaler). Created a custom process to bring unmanaged assets (those created via "point and click") under Terraform management.
- Deployed Windows 11 in a virtual, hybrid joined environment with Autopilot against existing and new devices. Moved away from GPOs in favor of Intune policies.
- Moved Okta tenant to attribute based access control as part of an IAM project. Access is automatically determined by attributes sourced from outside systems (BambooHR, Office 365, Zoom, and more). Includes use of Okta's Identity and Governance Engine for approvals, expiration of access, and re-approvals. Scaffolding for the access model (composed of roles and entitlements which are bound to certain groups) is done in Terraform.
- Support HCI VMware stack (Alletra)

Managing Director, Head of Technology, March 2018 to April 2023
Tremblant Capital. New York, NY/Stamford, CT/West Palm Beach, FL

- **Sole in-house IT resource** (assisted by technology integrator for help desk and ad-hoc projects).
- Design, engineer all related infrastructure for all sites and critical employee homes. On premise resources include VMware, Scale Compute hypervisors, bare metal Dell servers, all networking equipment (Cisco, Ubiquiti, Palo Alto), all storage equipment (decommissioned Nimble SAN in favor of NAS and HCI).
- Design, maintain cloud tenant in Microsoft Azure and O365. Includes robust IAM model built on stringent conditional access rules.
- Built and maintained ETL pipeline using TeamCity, python (pandas heavy), PostgreSQL, and Graph API integration with O365 applications like PowerBI and MS Teams. Migrated original code base from PowerShell, MSSQL, and Visual Studio solutions.
- Management of $400,000 budget.
- Day to day Windows enterprise environment management (Active Directory, DNS, user access control, DFS, etc.)
- Built custom ELK stack with Elastalert for MS Teams based alerting complete with interactive smart cards.
- Conducted 2 office builds in 2021 (Stamford and West Palm Beach).
- Created ESG assessment system for positions which integrates python, Jira, and Graph API REST calls to generate reporting based on key issues and collect approvals and engagement metrics for ESG centric funds.
- Maintained and tested business continuity plans and cybersecurity policies - underwent two SEC exams with no technology specific deficiencies.

Virtual Systems Engineer, October 2016 to March 2018
NBCUniversal Media LLC. Englewood Cliffs, NJ/New York, NY

- Primary virtualization contact for Broadcast Automation infrastructure**.** On call 24x7x365.
- Design, engineer all broadcast related VMware infrastructure.
- Daily management of PURE SAN storage arrays and associated brocades.

- Experience with Linux, specifically Centos 6.8+- moderate experience with RHEL 6.8+, and Ubuntu 14.04+.
- Strong PowerShell/PowerCLI scripting skills- used to build daily web based reports and automate VMware environment.
- Helped implement spine-leaf network topologies for 1.5-3Gb/s IP based video playout in a Cisco UCS virtualized environment
- Deployed and managed Ansible/AWX**.**.

Specialist, IT Infrastructure, June 2013 to October 2016
Prudential Financial Inc., Roseland, NJ

- Maintenance, capacity management, design and automation of enterprise sized VMware environments.
- Experience with change environments and supporting front end users.
- Break/fix maintenance of Dell/HP/IBM ESXi 5.0/6.0 servers and all production virtual environments.
- Implemented ESXi autodeploy.
- Hands on experience with Netbackup, IBM XIV, Cisco switches (5, 7, 9k/FEX), ESXi 5.0/6.0, and vCenter 5.0/6.0.
- Utilization reporting and projections using powershell, excel, python, and datasets generated by vCOPs/vROPs.
- Trained and presented to Operations Command Center (tier 2 support) on supporting virtual environments.