JOHN N. MOREIRA

280 Grand Street Apt. 1, Jersey City, NJ 07302 ▪ johnmoreira1019@gmail.com ▪ 973-908-9153 ▪ [LinkedIn]

EDUCATION & SOFTWARE EXPERTISE

B.S., COMPUTER SCIENCE, NEW JERSEY INSTITUTE OF TECHNOLOGY
Programming Languages: Python, Java, JavaScript, PowerShell, C#, C++, Groovy, SAP ABAP, VBA
Platforms & Frameworks: VMWare, NetApp, Dell Storage, Hitachi Storage, Kubernetes, AWS, Jenkins, Apigee, ServiceNow, Splunk, Ansible, NGINX, Grafana, Git, Python Flask, OAuth, WSL, Modding Games

SELECTED EXPERIENCE

JPMORGAN CHASE & CO, Jersey City, NJ   Jan 2022 – Present
Software Engineer, Infrastructure
- Designed and implemented a Flask-based Python application named "Strato", deployed to Kubernetes, which interfaces with an unlimited number of VMWare vRA instances in JPMC datacenters worldwide. Serves highly customized Compute, Network, and Storage information to Wholesale Compute customers within JPMC.
- Developed a VM Resize Eligibility API within "Strato", allowing customers to evaluate a potential VM resize, featuring an intelligent placement algorithm that evaluates current and adjacent clusters for capacity.
- Implemented OAuth authentication and authorization within "Strato" for both logged in SSO desktop browser users as well as API to API non-interactive accounts used by applications.
- Implemented FluentBit Sidecar logging for "Strato", created per-user usage metrics via JPMC's OAuth.
- Expanded "Strato" to be included in our internally developed functional testing framework.
- Maintain multiple large Python code repositories which control and deploy the software, ABX actions, vRO workflows, configuration, and lifecycle of JPMC's VMWare vRA installations and their VMs.
- Maintain multiple Jenkins pipelines integrating code deployment with unit, functional, and performance testing.
- Deployed the entire JPMC vRA software stack to customized restricted environments with only CLI access, no Jenkins build pipeline, and wrote the necessary code customizations, such as cert-based auth for DNS.
- Wrote e2e automation workflows to build and configure new vRA environments via a master vRA.
- Executed countless biweekly production releases, working with and notifying stakeholders of changes.

PRUDENTIAL FINANCIAL, Roseland, NJ   Oct 2017 – Dec 2021
DevOps Engineer, Virtualization
- Created VMWare vRA 8 Blueprints for provisioning private cloud Windows and Linux servers. Configuration includes networking, CPU/RAM/Disk selection, and rapid delivery of servers in minutes.
- Developed ordering frontend UI on ServiceNow using JavaScript and backend using Jenkins, Apigee, and Ansible for virtual Windows and Linux server on-demand ordering and modification of CPU/RAM/Disk.
- Created Ansible playbooks for extending Linux and Windows filesystems from additional storage in vRA.
DevOps Engineer, Storage & Backup
- Automated NAS, SAN, and Object storage provisioning with hardware from NetApp, Dell, Hitachi, and Veritas using REST APIs and custom scripting. Automated backup policy creation for NAS shares.
- Created multiple frontend UIs on the ServiceNow platform to serve as the landing page to our Storage and Backup products and connected our automation to these pages. Pages and workflow automation developed using JavaScript and the ServiceNow platform features. Features included hands-off automated provisioning, service tier customization, emailing, billing, ticketing, and error handling.
- Developed diagnostic tools such as a NAS share diagnostic tool which scanned Active Directory group/user permissions and contrasted them with NetApp NAS and Dell Isilon Storage configuration to determine NAS share access status for both AD accounts and servers.
- Programmed a Java CLI application which implemented AWS Glacier APIs to provide upload, download, delete, and DynamoDB Storage functions.
- Created performance monitoring dashboards on Splunk, ServiceNow, and Grafana from KPIs and metrics.

PERSONAL PROJECTS

Personal Website and Server: https://zors.dev | GitHub: https://github.com/jnm26
- zors.dev is my personal online file share with features like file uploading, downloading, and a photo gallery. NGINX based, it runs on PCs I personally built along with home-grown networking within WSL on Windows.

SIG Melee - https://www.youtube.com/user/sigmelee
- Created and led a club which held weekly meetings and hosted on-campus tournaments for competitive Super Smash Bros. Melee. Live-streamed Melee events in the NJ/NY area on our channel.

prIDE - GitHub: https://github.com/brandonrninefive/prIDE
- A free online IDE with real-time code editing supporting multiple users editing the same file at once.