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# Alexander Pereyra

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Portfolio: [Alexander.Pereyra.info](http://Alexander.Pereyra.info)

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## Objective

Highly motivated IT Engineer with ten years of experience seeking to leverage technical and professional expertise as a Cloud Engineer. Focused and determined to learn, innovate, and contribute in meaningful ways to support continuous growth and success.

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## Skills

Python/Bash  
CloudFormation/Terraform  
Lambda  
Docker  
Jenkins  
ECS/Kubernetes

Automation  
CI/CD Pipelines  
Ansible  
Linux/Windows  
Git/Github  
AWS Codepipeline/Codebuild/CodeDeploy

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## Accomplishments

- [Github](#)
- Automated build and deployment of Windows ADFS server(s) with custom cert import, domain join, decoupled database, AD integration, using S3, CloudFormation, and Powershell.
- Designed, implemented, and deployed automated deployment solution using AWS CodeBuild for several major clients.
- Built, implemented, and maintained automated hardened AMI pipeline using CodeBuild, packer, and Ansible.
- Lift and shift / refactor of monolithic application in python, java (groovy), gradle, stash artifactory updated from a developer laptop into an automated Jenkins pipeline leveraging docker, ECS, ECR, github (stash). New code development for parameter store, secrets manager, directory and file manipulation in python for application configuration.
- Automated build of AWS workspaces for POC including VPC, Directory service, and workspaces in a well architected manner using Service Catalog, CloudFormation, Python.

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## Employment History

**SENIOR CLOUD ENGINEER** | 02/2019 to Current

**CloudHesive - Fort Lauderdale, FL**

- Design, implement, and release of cloud solutions for major clients.
- Create and maintain fully automated CI/CD pipelines for code deployment using GitHub, CodePipeline, CodeBuild, CodeDeploy, Jenkins, ECS, S3, ELB, Route53.
- Build and deploy Docker containers to break up monolithic applications into microservices, improving developer workflow, increasing scalability, and optimizing speed. Using all best practices and patterns in many development scenarios such as lift and shift, rearchitect, and rewrite.
- Build custom tools and CLI wrappers in python/powershell to more efficiently manage cloud infrastructure, perform maintenance, and monitor infrastructure.
- Automation of AWS account builds along with resources such as custom VPC configurations, IAM roles and permissions, using Lambda, CloudFormation, Service Catalog, and S3.
- Enforce and promote practice of versioning, immutable infrastructure, declarative DevOps.
- Implement automation for policy and standards using AWS Service Catalog, AWS Config with Slack integration. Use of Parameter Store, Secrets Manager, Systems Manager features.
- AWS cost control reducing resource sprawl using tagging tools, resource cycling tools, and cost analysis tools to identify resources, measure usage, design for cost.

- Actively manage, improve, and monitor cloud infrastructure on AWS/On-prem using Datadog, Sumologic, and CloudWatch.

#### IT CITRIX ENGINEER | 05/2014 to 02/2019

##### Royal Caribbean Cruises - Miramar, FL

- Managed, supported, and implemented infrastructure with 85+ hosts, 675+ VMs, and 2200+ concurrent user sessions within Hybrid Cloud environment serving desktops and 150+ applications for 7 major Contact Call Centers globally
- Collaborated with Cloud Infrastructure team in AWS projects involving integration of Directory service solution, implementation of Amazon workspaces, and identifying solutions for centralized account management.
- Executed major migrations of infrastructure to Cloud/Citrix XenDesktop 7.15 from XenApp 6.5 including analysis of business needs and application/desktop infrastructure build requirements
- Provided end-to-end operational support of global environment using VMware VC & ESXi hypervisors, HP/Cisco UCS, Microsoft Windows Server
- Owned projects introducing new applications/services including: configuration of server blade, VM buildout based on requirements, migration from dev/test/production, configuration & testing of application/service, monitoring resources.
- Provided technical resolution to incident/problem events related to Citrix/Windows server infrastructure
- Planned and implemented capacity planning and infrastructure enhancement of application delivery solutions
- Involved in change and risk management in evaluating impact of infrastructure changes

#### IT ANALYST - CONFIGURATION CENTER | 04/2010 to 05/2014

##### Royal Caribbean Cruises - Weston, FL

- Diagnosed and resolved all IT hardware issues across 32+ fleet of ships internationally
- Significantly helped reduce cost for out-of-warranty hardware through in-house repairs (laptops, workstations, and servers)
- Helped reduce time and cost for hardware orders through streamlining logistics with 3<sup>rd</sup> party vendors

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### Certifications

[AWS Certified SysOps Administrator - Associate](#)

[AWS Certified Solutions Architect - Associate](#)

[AWS Certified Developer - Associate](#)

[AWS Certified DevOps Engineer Professional \(IN PROGRESS\)](#)

[Certification Transcript](#)

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### Hobbies

Piano

Weight training

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### Education

**Florida Atlantic University - Boca Raton, FL | Bachelor of Arts**

Bachelors of General Studies (B.G.S.), 2014

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### Organizations

**President | 02/2012 to 12/2014**

Devonaire Homeowners Association - Pembroke Pines, FL

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### References

Jack McElwayne - Senior Solutions Engineer at VMware

Luis Suarez - Cloud Principle Engineer

Jay Vega - Cloud Infrastructure Engineer at Royal Caribbean Cruises