



JORDAN PIEL

SITE RELIABILITY ENGINEER

I am a Senior Site Reliability Engineer with over a decade of experience designing infrastructure and successfully supporting many production workloads and technologies. It is my passion helping a team solve complex problems by breaking down complicated ideas to their essence and making their processes easier through automation, reliability, and repeatability.



WORK EXPERIENCE

Site Reliability Engineer

Fitness & Wellbeing By Xplor

March 2021 - October 2021

- High level of collaboration between team members leveraging Terraform to drive infrastructure as code across multiple VPC's.
- Deploy applications to ECS clusters with CodePipeline and green/blue deployments.
- Design and implement serverless application architecture using API Gateway and Lambda.
- Use principle of least privilege with multiple accounts and roles to manage service and user access.

Senior DevOps Engineer

University Of Colorado Boulder - Laboratory For Atmospheric And Space

Physics

May 2018 - October 2020

- Migrated SSO web authentication stack from Shibboleth to Keycloak for dozens of internal and external websites. Created and managed clients and groups by leveraging Keycloak specific modules in Ansible.
- Defined and implemented automation routines for the lab. Worked with various teams internally and externally to understand their needs and steer them towards modern DevOps methodologies.
- Migrated many dozens of applications to a GitOps standard in a hybrid datacenter. Defined and built cloud infrastructure predominantly using AWS and Terraform.
- Designed and developed application build and deployment jobs in Jenkins with the use of Ansible and Jenkins-Job-Builder.
- Built and maintained the various Jenkins containers for the lab used for a wide array of tasks from cron scheduling to scientific data processing. Migrated multiple legacy Hudson instances to Jenkins.
- Worked together with teammates to write and maintain Python scripts to automate the action of creating and maintaining documentation within Confluence for various software and processes.

Senior System Administrator

University Of Arizona - Financial Services Office

January 2012 - May 2018

- Integrated Puppet to manage Linux servers in staging and production environments; allowed the state and configuration of servers to be reviewed and deployed as code. Primary owner of Puppet modules and manifests used for internal various one-off processes. Over time migrated to using Ansible.
- Designed and implemented pipelines with Gitlab CI for building and testing web applications before pushing development and production deployments to corresponding servers.
- Migrated multi-site virtual appliance infrastructure from vSphere 5.1 cluster to a vSphere 6.5 cluster that leverages vSAN and HA across multiple geographical locations. Also migrated multiple services and applications running on Windows to Linux; reducing total licensing costs and required computing resources.
- Implemented and fulfilled roadmap for decommissioning legacy web server running a monolithic application by breaking it out in to multiple microservices.
- Leveraged Vagrant to provision local development environments that supplied developers with a pre-build Django project that replicates production web applications.

- Configured group policies with PowerShell for software package deployments providing support to the 300+ employees in the Financial Services department.
 - Spearheaded migrating of web services to an AWS VPC.
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SKILLS

Platforms

- ▶ Docker / Vagrant
- ▶ Linux / Windows
- ▶ AWS / GCP / VMWare

Orchestration / Management

- ▶ Ansible / Puppet / Terraform
- ▶ Circle CI / Gitlab CI / Github Actions
- ▶ CloudWatch / DataDog / Splunk

Databases

- ▶ PostgreSQL
- ▶ MariaDB / MySQL
- ▶ MS SQL

Web Delivery / Caching / Load Balancing

- ▶ Apache / Nginx / Traefik
- ▶ Redis / Memcached
- ▶ ALB / ELB / HAProxy

Programming / Tools

- ▶ Bash / Python
- ▶ Java / PHP
- ▶ Git / SVN

Networking

- ▶ DNS / DHCP
- ▶ LAN / WAN / VLAN / VPC
- ▶ Firewalls / iptables

Authentication / Access Control

- ▶ ACL / RBAC / Security Groups
- ▶ LDAP / Active Directory
- ▶ OIDC / OAuth2.0 / SAML2

Web Frameworks

- ▶ Django
 - ▶ Angular
 - ▶ Ruby on Rails
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EDUCATION

University Of Arizona, Tucson, AZ

2009 - 2011

Computer Science

Pima Community College, Tucson, AZ

2009 - 2010

Computer Information Studies

Harper College, Palatine, IL

2006 - 2008

Liberal Arts

PERSONAL INTERESTS

- Open Source Technology
 - Personal Finance / Investing
 - Photography
 - Hiking / Travel
 - Motorsports
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CONTACT INFORMATION

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