

Jeremy Coando

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PROFESSIONAL SUMMARY

Highly skilled and analytical IT professional with over two decades of progressive experience, specializing in the implementation of AWS and GCP Cloud Services within complex hybrid infrastructures. Renowned for exceptional troubleshooting skills, with a proven track record of accurately identifying and resolving complex technical issues. Adept at leading cross-functional teams and projects, leveraging outstanding communication and interpersonal skills to foster collaboration, understand diverse stakeholder needs, and maintain high levels of comfort and engagement in varied professional settings. Experienced in driving significant IT projects and initiatives, demonstrating a keen ability to balance technical expertise with strategic planning and team leadership.

- **Containerization:** Kubernetes
- **CI/CD:** Github Actions, GitLab
- **Automation:** Cobbler, Foreman, Ansible, Puppet
- **Scripting:** Bash, Python
- **Source Control:** Git
- **Programming Languages:** Python, Go
- **DataBases:** MySQL, postgresql
- **Monitoring:** Zenoss, Nagios, Prometheus, Grafana, ELK, Pingdom, New Relic, Cloud Watch, Google Cloud Logging, DataDog

PROFESSIONAL SKILLS DEMONSTRATED

Parsyl Denver, CO

February 2022 to Present

Sr. DevOps Engineer

- Work in an AWS and GCP Environment
 - Serverless
 - kubernetes
- Orchestrated Terraform repository upgrades from version 0.11.x and AWS Provider version enhancements, focusing on compliance and efficiency.
 - Brought all terraform up to 1.5.x and moved all terraform state files into their own AWS Accounts. Refactored all Repositories to reflect the new backend
 - Built all CI/CD workflows for Software Team and Infrastructure
 - Phased out Circle CI and Jenkins
 - Changed all CI/CD to reflect changes and removed AWS Secret Keys and implemented OIDC and a Role for github actions. Completely removed plan and apply from end users to a comprehensive Github Actions Workflows
 - Modularized Repos to have a centralized code base for quick changes and avoid DRY
 - implemented reusable workflows
 - implemented composite workflows
 - Implemented AWS Lambda into the CI/CD
 - Reflect the Lambda builds to zip and send to S3 Lambda Buckets
 - Implemented Testing requirements before merging to master/main

- set up cloudwatch monitoring and alerting for Lambdas
- o Day to day System Administration in AWS and GCP
 - Terraformed all IAM users, policies and Roles across 4 AWS Accounts
 - Switched to AWS Security Center
- o Implemented Backup of S3 buckets into Google Cloud Storage
 - Google Storage Transfer
- o Implemented the Backup of Dynamodb Tables into Google Cloud Storage
 - go program with a Github Actions Workflow
 - AWS GCP SDK's to implement a scheduled execution
- Built and maintained AWS EKS Clusters as well as GCP GKE Clusters across different environments
 - o Terraform Modules to build and maintain Kubernetes clusters
 - o Trained and provided support for Engineering teams
 - kubectl
 - helm
- Led comprehensive security policy implementations across multiple environments, significantly contributing to SOC2 compliance.
 - o wrote and implemented the content security policy
 - o trained the QA team how to implement or update in the future.
 - o updated the javascript to eliminate inline java script
 - o Implemented Cloud Watch Alarms via Terraform
 - sns topics
 - to alert thresholds and usage
 - Created Dashboards
- Main duties were helping the Back End Engineers troubleshooting RDS, AWS Lambda, API Gateway
 - o Help maintain the Main API
- Spearheaded the development and management of all environments, enhancing testing capabilities and infrastructure resilience.

Beatport Denver, CO

Beatsource Los Angeles, CA

October 2018 to February 2022

Site Reliability Engineer

- Work in a Multi Cloud environment with offices in Denver, Los Angeles, and Berlin Germany.
 - o Support Beatport, Beatsource, Loopmasters, Sound Boutique.
 - o Beatport Link integrations into Pioneer and Denon DJ Hardware
- Site Reliability Engineer Team ensuring app development and release.
 - o Involved with team planning in an Agile Environment
 - o Embed in Dev Teams for duration of Sprint or Epic
 - o Work closely with QA and Data Services
- Implemented IaC with Terraform and Atlantis
 - o 9 environments each with Stage and Prod all controlled with Gitlab pipelines
 - o Site-to-Site VPN between AWS and GCP
 - o VPC's for Stage, Prod, and Data services for each environment, and Beatport and Beatsource

- o ingestion systems for content delivery
- o Subnet and Network layout for Kubernetes Clusters, using IP subnetting to allow future growth and flexible scalability of Kubernetes nodes and pods.
- o GCP Compute Engine resources, Hybrid Networking, Google Cloud Engine, and VPC Network
- o Currently Migrating from version 0.12.4 to 1.0.8 to get out of version lock
- Administrate 10 Kubernetes Clusters in Google Cloud Product
 - o GCP Shared VPC is completely Kubernetes, each environment has their own GKE Cluster.
 - o Codified with Helm and Gitlab
 - Helm 2 migrated to Helm 3
- Beatport Store and API maintenance in AWS
 - o Autoscaling Groups, Load Balancers, Networking, Security
 - o Work with Data Services to migrate RDS to Spanner
 - Currently planning to migrate completely to GCP
 - o Maintain WAF to mitigate Denial of service attacks
 - Recently migrated from WAF Classic
- Jira/Confluence
 - o Pager duty shared amongst 5 SRE's
 - o Rotating Incident Commander Duties
 - Chaos Engineering/Hackathons
 - Mock Fire Drills
 - Root Cause Analysis Reporting
 - o Document How to's and Runbooks

Decommission of Zayo Data Center and Data Migration:

- Migrated LDAP to Okta and Pulse VPN
- Stand Alone AWS VPC for Pulse VM
 - o To mitigate VPC Peering limitations and allow employees to access internal environments still needed in AWS and GCP that were migrated from the Data Center.
- Responsible for Linux KVM Hypervisor and ESXi Bare Metal infrastructure
 - o Automated rollouts with Cobbler and Foreman
 - Provisioned with Puppet and Ansible
 - Source controlled with Gogs and Git
 - o Building and maintaining RAID and RAID Controllers, Daughter Boards, Batteries
 - o Transferring arrays in emergency situations
- Responsible for Heritage Infrastructure
 - o Layer2 and Layer3 – Juniper, Brocade, Ubiquiti - Layer4 to Layer7 Load Balancers -EMC2 Isilon Storage Clusters
- Routing and Security Policy rules from AWS through Data Center to GCP for Stage and Prod Environments. This includes Jenkins pipelines and MySQL Data Farm in Data Center Colo.
- Administration of IAM across AWS and GCP. Administering Corporate Authentication with FreeIPA and Kerberos, this includes Servers and Peripherals
- Responsible for AWS VPC, GCP Shared VPC, and Zayo Data Center.
- Implement Site-to-Site VPN services from AWS, Data Center, and GCP.
- Building and maintaining AWS Transit Gateways between GCP Cloud Routers to establish four HA VPN Tunnels, for migration of AWS RDS and MySQL Database to GCP
- Maintain and Administrate on-prem Kubernetes Cluster for Heritage Ingestion Content Delivery Systems.

January 2015 to October 2018

Systems Engineer

- Set up and maintain infrastructure using Amazon Web Services in a Hybrid Environment
 - Implemented two Custom VPC's with VCP Peering using AWS recommended Cloud Architecting and Cloud Formation Templates to automate changes.
 - Responsible for the Legacy LAN Environment - Routing, Switching, and Security.
 - Upkeep of hardware and software systems.
 - Site to Client VPN implementation and maintenance
 - Mixed environment Cisco and Juniper equipment
 - Amazon Route 53 to use DNS for company website hosted in EC2 hosts behind AWS Application Load Balancer with Auto Scaling.
 - Inventory Procurement Databases
 - Set up Amazon AMI EC2 for back up and recovery with snap shots and AMI Images.
 - Docker Swarm hosting Maria Database, Apache Servers
- CI/CD with Jenkins for Ticketing system
- Puppet used on OnPrem ESXi and Linux Nodes, for packages and applications.

Shoshone Rose Casino, Lander, WY

August 2010 to January 2015

Sr. Systems Engineer

- Responsible for corporate LAN/WAN ESXi VMware environment and Hybrid AWS VPC Environment
- Maintenance of VSphere and VSphere Client
- Upgrade to dual redundant Cisco ASA 5510, and Stacked Cisco 3750's with redundant Etherchannels.
- Installed Monitoring Software, and Network Monitoring Software.
- Implemented AAA, Tacacs, SNMP Strings.
- Utilized AWS VPC VPN Connections with on Prem Environment. AWS Directory Services AWS Connect for Active Directory Migration for Primary Active Directory
- Cloud storage of Archived Data needed for audits up to 7 years
- Implemented AWS Storage Gateway VTL
- Amazon S3 Standard Buckets Life Cycle Policies Amazon Glacier to archive auditable data
- Migrated Tape Backup, Archives, and Database Copy over to S3 eventually to Glacier using Amazon Snowball.
- Containerization of Local Nginx Website, MySQL and PostgreSQL Databases using Docker-Compose. Amazon EC2 on Custom VPC with Docker to run Public Website utilizing AWS Route53 behind Auto Scaling and Elastic Load Balance with Docker Container Replicas for High availability and redundancy

Union Telephone Company, Mountain View, WY

April 2007 to July 2010

Network Engineer

- Responsible for corporate LAN/WAN and ISP routing, switching, and security.
- Maintaining and analyzing network proficiency as well as hardware upgrades with the intent on redundancy and QoS Policing on the ISP side. Network and topology documentation for DSL and Corporate Edge. Implemented a BGP mvpn for certain clients.
- Testing new Cisco hardware and software upgrades before deployment to the Network. Ensuring compatibility between Cisco and Nortel routers and switches, as well as DSLAMs.
- Responsible for Layer 2 and 3 networking implementing complex Policy Routing, QoS, MPLS, BGP, and R-PVST.

- CALEA provisioning on the DSL Networks as well as GPRS Networks internet and cell phone activity via SS8 Solaris/UNIX.
- Set up and implemented a Multicast Network with multiple IGMP Groups for the local Cable Television and Home Security Systems we provided.

Los Angeles Jewish Home for the Aging, Reseda, CA

March 2005 to April 2007

Network Engineer

- Responsible for corporate LAN/WAN environment in a fast paced setting, while working with a professional team of technicians. Dealing with Vendors as Well as third Party Contractors.
- Responsibilities include LAN/WAN Cisco Layer 2 and Layer 3 Switching creating and maintaining VLANs, VoIP VLANs, Switchport Security, and VTP on Cisco 3550, Cisco 3560 and Cisco 2950 Switches. Layer 3 Cisco Router and Switch Configurations, maintenance, and backups. Cisco PIX 515 maintenance and VPN access. Cisco Router Security utilizing ACL's and Cisco Best Practices. Administration of Novell/SUSE Linux Servers environment
- Provide network administrator support for mixed Novell Netware\Microsoft 2003\Novell Suse Linux Servers\Citrix Servers and Thin Clients as well as desktop support for XP workstations supporting Novell Zenworks and GroupWise. Remote desktop support utilizing Novell Console 1, Support for desktop applications such as Oracle, Mysys, Microsoft Office Suites, Abbra, and Add On.

PITNEY BOWES INC, THOUSAND OAKS, CA

Oct 2003 - March 2005

LAN Analyst

- Responsible for supporting Cisco Routers and Switches as well as servers/desktop systems in the corporate LAN and WAN environments.
- Responsible for troubleshooting hardware and software, installation and maintenance of Servers, Desktop, Laptops, Printers and PDA's. Troubleshoot problems at varies levels, which included hardware/software error messages, Printer Server/Printing issues, Network, and deployment issues. PC imaging and network rollout of images.
- Provided after hours support for Network, Help Desk and NT Client/Server environments

Networking Experts, Los Angeles California

July 2001 – Oct 2003

Systems Administrator

- Maintain Windows 2003/XP environment. Typical jobs have included design, install, configure, maintain, and support operating systems, hardware and implementation of a centralized Patch Management System for Microsoft patches.
- Troubleshoot and diagnose Servers, PC's, Network and laptops issues. Upgrade NT/2000 based network to Windows 2003 Network. Configure Deploy and Troubleshoot Routers per client's requirements or as network circumstances dictate.

EDUCATION

Bachelor of Science in Computer Information Systems ITT Technical Institute, Sylmar Ca

Wyoming Indian High School Ethete Wyoming

Additional Professional Development:

- **CKA Certified Kubernetes Administrator** Cloud Native Computing Foundation

OTHER RELEVANT INFORMATION

Languages: English, Shoshone/Comanche

Computer Skills: Microsoft Suite, Google Docs

Hobbies:

Art: Oil Painting, Drawing Charcoal/Graphite, Clay/Bronze Sculpting, Carving

Metal Working: TIG, MIG, ARC Welding.

Mechanical: Work on Square Body Chevy Trucks