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Travis County Central Health *June 2024 – Present*
Senior Systems and Cloud Engineer

- Architect and operate secure, scalable cloud infrastructure across hybrid environments using Terraform and infrastructure-as-code best practices.
- Optimize and scale cloud environments, including workload placement, performance tuning, and cost control.
- Lead cross-platform initiatives involving Azure, AWS, and GCP, including cloud migrations, networking, and IAM standardization.
- Operate and maintain infrastructure for internal and public-facing applications, with extensive use of Azure services for identity, automation, and compliance.
- Host and operate VM-based and containerized workloads across OpenStack and public cloud platforms, enabling flexible workload placement and cost optimization.
- Implement data ingestion and analytics workflows for long-term archival and compliance workloads.
- Administer systems across Linux, Windows, and macOS environments.
- Manage CI/CD delivery using Azure Pipelines, with experience extending delivery workflows into GitHub Actions and hybrid DevOps stacks.
- Produce internal training material, documentation, and architectural standards to improve cloud operations maturity and audit readiness.
- Leverage OpenStack for cost-effective private cloud workloads, reducing reliance on public cloud infrastructure.
- Integrate containerized workloads using cloud-native registries and deployment platforms, supporting flexible workload placement across hybrid environments.

TEKsystems *February 2022- May 2024*
Cloud Database Engineer
- Designed and provisioned complex MongoDB Atlas and PostgreSQL infrastructure using Terraform, implementing modular, test-driven configurations under strict CAB governance.
- Utilized Terraform across providers including Google Cloud, AWS, Azure, Kubernetes, and MongoDB Atlas.
- Data engineering and administration for MongoDB and MySQL.
- Applied OpenStack networking and storage concepts to support distributed application workloads.
- Extensive use of pipelines such as Azure Devops, Jenkins, GitHub actions and Harness.
- Developed Python automation to extend infrastructure capabilities beyond native provider limitations.
- Supported containerized workloads across AKS, GKE, and EKS, integrating CI/CD-driven deployments via ECS, Fargate, and Cloud Run.

Rackspace *August 2018 - February 2022*

Cloud Engineer II *September 2020 - November 2022*
- Contributed to the design and operation of highly available OpenStack infrastructure, supporting compute, networking, and storage services for enterprise workloads.
- Implemented infrastructure-as-code using Terraform and Ansible to standardize OpenStack and multi-cloud provisioning, improving deployment consistency and operational efficiency.
- Designed and supported cloud networking architectures including VPC/VNet design, load balancing, and secure service connectivity across hybrid environments.
- T.O.P. Graduate: my primary focus was GCP with a secondary focus on Azure. TOP is a Rackspace University Program lasting around 4 months where students are taught a stringent DevOps and cloud curriculum. TOP is highly selective and I was fortunate to attend. Through a close partnership with Google I have been given access to instructors and materials I otherwise would have never even known about.
- Assisted customers with container orchestration platforms including GKE and AKS.
- Assisted an ISP with their Kafka needs, outages and general notifications.
- Collaborated with internal and external engineering teams to design scalable, resilient cloud architectures, including networking, storage, and workload orchestration strategies.
- Collaborated directly with Google engineers to develop CI/CD pipelines and reusable Terraform modules for shared enterprise clients.

Cloud Data Engineer *August 2018 - September 2020*
- Elasticsearch engineering for many clusters ranging in size from ten to one hundred nodes.
- Worked extensively with OpenStack components including compute, networking, and storage layers, supporting high-availability environments and enterprise client workloads.
- Managed distributed data systems including Kafka and Hadoop, supporting scalable data pipelines and high-throughput workloads.
- DBA and development for a range of data store technologies including MongoDB, Redis, Cockroach, CouchDB, PostgreSQL as well as TimescaleDB.
- Worked on infrastructure which included Rackspace managed servers and OpenStack along with AWS, Google Cloud as well as Azure. ORv5 (new platform) is managed by Kubernetes.
- Worked on automation with Ansible, Python and BASH as well as CI/CD pipelines using Jenkins.
- Worked closely with clients for consultation and support of their business. In my tenure I have received multiple merit raises as well as internal and client recognition.
- Wrote wikis and created video training materials along with in person/zoom training for new hires.

ERCOT *September 2017 - August 2018*
Linux System Administrator
- Day to day Linux System Administration tasks mostly within the RHCSA/RHCSE scope with heavy use of AD, Vsphere, Infoblox, Likewise and UCS Director for new builds.
- Migrated over 1000 servers from on prem to cloud.
- Management of 1300+ servers and a weekly on call rotation.
- For orchestration or automation: Ansible, Puppet and pdsh.

- Finished a Node.js dashboard POC using blessed-contrib. Crafted TIBCO failover scripts using Python.
- Managed Kubernetes clusters for several of the app teams.
- Linux primary for a large scale data center physical to virtual migration, 500+ servers. Primarily RHEL5/6/7 systems running various types of applications or models. Taught anyone tasked to assist how to perform the various operations.
- Successfully completed POC for replacing Powerbroker with realmd and LDAP.
- Authored or contributed to team wikis on Ansible, P2V migration, realmd and LDAP.
- Assisted in training a new Linux System Administrator.

Kestra Financial *March 2017 - August 2017*
Technology Analyst
- Firm technical consulting, internal and owned firm help desk using Jira and Salesforce ticketing.
- Application, browser, web/hosting help, MX and SPF record support.
- Conversion and administration to Mimecast for all firms as well as general cryptography consulting.
- AD and Vsphere administration.

IGT *September 2016 - February 2017*
System Administrator
- Monitoring and troubleshooting the Texas Lottery infrastructure.
- Internal help desk and escalation point for field technicians.
- Systems administration such upgrades, granting access via LDAP and fail-overs.
- Ensuring overnight ETL jobs were successful and supporting the BI pipeline.

Eagle Eye Networks December 2014 – December 2015
Technical Support
- Network troubleshooting both locally and from the home DC to all over the world.
- Linux troubleshooting.
- Testing and QA.
- As the first tech support employee I trained new tech support employees.

Certifications:

Google Cloud Associate Cloud Engineer *Certificate ID: yxBcg2*
AWS Certified Solutions Architect Associate
https://www.credly.com/earner/earned/badge/244c2d0a-d5a1-46b5-b155-73e3967c9c49
Microsoft AZ 900 *https://www.credly.com/badges/5ce752dd-17d2-4c6a-b7a3-c48461d32820*
LPI Linux Essentials Exam 010 *Certificate ID: 1483871291*
Rackspace Continuous Learner Expert
https://www.credly.com/badges/4d07b459-c674-4986-a933-62ac6b56b38f
Rackspace Learner
https://www.credly.com/earner/earned/badge/7f166849-c9b5-46a0-a4dd-f4a1542a092e
Rackspace CloudU Certificate *Certificate ID: 3cd160ea-f2b3-40ea-9301-b4fd89f30aa1*

HE.NET IPv6 *Certified Sage*
ASA *Certified Sailor*
IMB *ESL*

Projects:
Runexus: Runa AI and RatDB *March 2024 - Present*
Creator

Digital Yard- *November 2023 - April 2025*
Sales Engineer

Content Access *April 2023-June 2025*
Cloud Architect

Avaca *October 2021 - April 2023*
RTL Designer

MiddleMatter *December 2015 - December 2018*
Linux Administration and Development