

Justin Frye

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<https://randoneering.tech> | <https://github.com/randoneering>

Summary of Qualifications

- **Open Source Evangelist:** Creator of pgFirstAid, Kaneo Core Team Member, Nixpkgs Maintainer, Open Source First Mentality
- **Languages:** Python, SQL, Nix, and currently learning Go
- **Cloud & Infrastructure Expertise:** AWS, DigitalOcean, Linode/Akamai, Bare Metal, Linux System Administration, (Ubuntu, RHEL, Debian, etc)
- **Infrastructure as Code (IaC) & Automation:** Terraform, Ansible, Python, OpenTofu, Github Actions, Semaphore
- **Containers and Orchestration:** Kubernetes fundamentals, personal-use clusters, a maintainer for Onramp (docker orchestration behind Traefik and utilizing Cloudflare tunnels)
- **Data Engineering & Administration:** AWS Aurora, AWS RDS, Postgres, MySQL, DocumentDB, MongoDB, SQL Server, Snowflake, Airbyte, Rivery, Python
- **Monitoring & SLA Compliance:** AWS Cloudwatch, AWS Cloudtrail, Datadog, SumoLogic, Grafana, Prometheus
- **Collaboration & Leadership:** Conference Speaker (SCALE 23x), Team Lead, Mentor, Nixpkgs Maintainer, Open Source Advocate

Work Experience

Founder (Randoneering, LLC: Boise, ID)

June 2025-present

- ➔ Conducted infrastructure assessment and strategic planning to align IT systems with business objectives, ensuring scalability and long-term growth
- ➔ Architected hybrid cloud and on-premises solutions to optimize resource utilization, reduce costs, and improve system resilience.
- ➔ Designed scalable, secure, and performant architectures that supported business expansion while maintaining compliance with industry security standards.
- ➔ Implemented security-first frameworks (e.g., encryption, access controls) to mitigate risks and ensure data integrity across all environments.
- ➔ Optimized system performance through advanced monitoring, load balancing, and resource allocation strategies, improving user experience and operational efficiency using tools such as Datadog, Sumologic, Grafana, and Prometheus.

Senior Data Engineer (RxBenefits, Inc: Remote)

November 2025-present

- ➔ Ensures data warehouse resilience, availability, recovery, maintenance, data integrity, and capacity planning requirements.
- ➔ Provides a high degree of coordination between user, technical, application and corporate entities to ensure effective data management as a corporate enterprise.
- ➔ Understand and align pipeline development with business requirements

- Validate and monitor data integrity to ensure data quality
- Identify ways to improve data reliability, efficiency, and quality

AWS Senior Database Engineer (RxBenefits, Inc: Remote)

June 2023-November 2025

- Architected and maintained Infrastructure as Code (IaC) modules for the DBA team using Terraform, ensuring consistent, repeatable, and scalable infrastructure deployments across the organization.
- Conducted in-depth database performance assessments, including tuning, monitoring, and diagnosing SQL queries and system bottlenecks, to optimize query execution times and enhance overall system efficiency.
- Automated infrastructure provisioning and configuration management using Terraform and Ansible Playbooks, reducing manual intervention, minimizing deployment risks, and accelerating time-to-market for database-related projects.
- Led a small team of Database Engineers, providing technical mentorship, fostering professional growth, and aligning team goals with organizational priorities to drive innovation and operational excellence.

AWS DBA and Cloud Engineer (Synoptic Data, PBC: Remote)

October 2022-June 2023

- Provided technical support to Data Engineers and customers, facilitating high-volume data pulls and API integration via Mesonet to meet critical business requirements, ensuring timely and accurate delivery of data insights.
- Led the migration of MariaDB/MySQL databases from EC2 instances to AWS RDS Aurora MySQL managed instances, improving scalability, reducing administrative overhead, and enhancing system reliability for critical applications.
- Pioneered the adoption of DevOps and Infrastructure as Code (IaC) practices, transforming Data Operations to improve deployment speed, reduce errors, and enable repeatable infrastructure provisioning.
- Designed and maintained metric dashboards using AWS CloudWatch and SumoLogic, enabling real-time visibility into system performance, resource utilization, and potential bottlenecks across the company's technology stack.

IT Application and Systems Engineer (Aldi, Inc: Aurora, IL)

November 2018-October 2022

- Served as a Lead SQL Server Production Database Administrator, managing over 100 National and International databases across multiple platforms, ensuring 99.9% server uptime, optimizing performance, and designing scalable solutions to meet complex business demands. Collaborated with international teams to establish and standardize best practices for database management, system integrity, and security.
- Acted as Change Manager for Aldi IT Infrastructure, overseeing the implementation of standardized change management processes to minimize operational risks and ensure compliance with IT governance frameworks. Served as a Pilot Leader in rolling out change management practices across Aldi, driving cultural adoption and process improvement.