

# Ryan Jones

Austin, TX, USA

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## Education

Texas A&M University

Bachelor of Science in Computer Science

Aug 2014 – May 2018 | College Station, TX, USA

## Work Experience

Database Reliability Engineer (DRE) | Indeed | Jun 2020 - Present | Austin, TX, USA

- Ensured the reliability, scalability, and performance of large-scale NoSQL database clusters (primarily Cassandra, some ScyllaDB exploration).
- Automated database operations including provisioning, scaling, backups, and repairs using Python and Ansible.
- Developed monitoring and alerting systems using Prometheus, Grafana, and custom exporters.
- Troubleshoot complex database performance issues and participated in incident response.
- Optimized data models and configurations for high-availability and low-latency.
- Worked closely with SRE and development teams.

Database Administrator | Rackspace | Jul 2018 - May 2020 | San Antonio, TX, USA

- Managed MySQL and PostgreSQL databases for customers.
- Gained initial exposure to NoSQL databases.

## Skills

Databases: Cassandra (Expert), ScyllaDB (Intermediate), PostgreSQL (Intermediate), MySQL (Intermediate), Redis (Basic)

NoSQL Expertise: Data Modeling (Cassandra), Performance Tuning, Cluster Management (Scaling, Repairs, Upgrades), Consistency Levels, Compaction Strategies, Troubleshooting

Automation & IaC: Python, Ansible, Terraform (Basic)

Monitoring & Observability: Prometheus, Grafana, Datadog (Basic), ELK Stack (Basic)

Operating Systems: Linux (Advanced)

Cloud Platforms: AWS (EC2, S3, EBS)

Tools: Git, cqlsh, nodetool, stress tools (e.g., cassandra-stress)

Concepts: Database Reliability Engineering Principles, High Availability, Disaster Recovery, Performance Benchmarking, Capacity Planning, Incident Management

Methodologies: Agile (Kanban), Infrastructure as Code (IaC)

## **Certificates**

DataStax Certified Apache Cassandra Administrator/Developer (potentially expired)

AWS Certified Solutions Architect – Associate

## **Awards**

Indeed - Reliability Rockstar Award Q1 2023