

Rizwan Ansari

Senior Database Architect | DBA Manager | Multi-Cloud & Hybrid DB Solutions Expert

☎ +91-8585946563 | ✉ cse.rizwan1992@gmail.com | 📍 Noida / Bangalore, India | Availability: Immediate

Professional Summary

Accomplished **Database Architect & DBA Manager** with **12+ years of progressive experience** designing, managing, and scaling enterprise-grade database systems for **fintech, ride-hailing, and telecom industries**. Specialized in **MySQL, AWS Aurora, PostgreSQL, MongoDB, Oracle, and Redis**, with proven expertise in **replication, performance optimization, Terraform automation, and multi-region HA architectures**.

Strong experience in **leading DBA teams**, implementing **Infrastructure-as-Code with Terraform**, and delivering **mission-critical, high-performance, and regulatory-compliant (PCI/GDPR) database platforms**. Adept at building **cross-functional partnerships** with engineering, DevOps, and leadership teams to ensure secure, scalable, and cost-optimized data solutions.

Core Competencies

- **Database Platforms:** MySQL, AWS Aurora, Percona XtraDB Cluster, PostgreSQL, MongoDB, Oracle, Redis, Cassandra (exposure)
 - **Cloud & Automation:** AWS RDS, Aurora, Azure SQL, GCP Cloud SQL, Terraform, Ansible, Python, Bash, CI/CD (Jenkins)
 - **High Availability & Replication:** GTID replication, Aurora replicas, ProxySQL, Sharding, Multi-region DR
 - **Kubernetes & Containers:** Helm Charts, StatefulSets, Operator-based DB deployments
 - **Performance & Scalability:** Query tuning, Index optimization, Execution plans, Benchmarking (HammerDB, PgBench)
 - **Monitoring & Security:** PMM, Netdata, Zabbix, Grafana, Role-based access, Audit logging
 - **Leadership:** DBA Team Management, Strategic roadmaps, Fintech-grade availability & compliance
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Professional Experience

CircleLife (Liberty Wireless Technologies Pvt Ltd) – Bangalore, India

Staff MySQL & PostgreSQL DBA | Apr 2023 – Present

- Designed and managed **Percona XtraDB Clusters with GTID replication & ProxySQL**, enabling **zero-downtime** operations.
 - Architected **hybrid-cloud solutions with AWS RDS & Aurora**, supporting both fintech and telecom-grade workloads.
 - Implemented **Kubernetes-based DB deployments** with Helm and Operators, enabling automated provisioning, monitoring, and scaling.
 - Conducted **benchmark testing (HammerDB, PgBench)**, reducing query execution times by up to **35%**.
 - Built **Terraform-driven DBaaS automation** for provisioning, failover, and DR testing.
 - Provided mentorship to junior DBAs on **replication and automation best practices**.
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Ola Cabs – Bangalore, India

Database Administrator | Apr 2022 – Apr 2023

- Administered **multi-region MySQL & Aurora clusters**, achieving **sub-second failover** for ride-hailing financial transactions.
 - Optimized **analytical and transactional workloads**, reducing transaction latency by **40%**.
 - Conducted **schema refactoring, query rewrites, and index tuning** for high-traffic services.
 - Partnered with DevOps to deploy **containerized MySQL/Aurora** databases in staging & production.
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R Systems – Noida, India

Database & System Engineer | Sept 2021 – Apr 2022

- Managed **MySQL and MongoDB clusters** with **PITR, replication, and cross-region DR** for fintech clients.
 - Built **Python/Bash scripts** for **backup validation, failover orchestration, and Aurora replication checks**.
 - Assisted in **Terraform-based provisioning** of MySQL/Aurora clusters.
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Paytm – Noida, India

Database Administrator | Jan 2019 – Sept 2021

- Handled **large-scale MySQL & Oracle environments** powering **fintech payment workloads**.
 - Designed and maintained **replication topologies** across multiple datacenters and AWS regions.
 - Integrated **Zabbix, PMM, and Grafana** for proactive monitoring and alerting.
 - Implemented **Terraform & Ansible automation** for provisioning and scaling Aurora & MySQL clusters.
 - Strengthened compliance with **PCI-DSS standards** via encryption, access control, and audit-ready logging.
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DewSolutions – Gurgaon, India

Database Administrator | May 2017 – Dec 2018

- Administered **MySQL environments** supporting e-commerce applications.
 - Performed **query optimization & schema redesign** to improve checkout latency by **30%**.
 - Designed **backup/restore procedures** ensuring RPO/RTO compliance.
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Software Data (Contract) – Noida, India

Database Administrator | Jan 2016 – Apr 2017

- Managed **MySQL databases** for enterprise applications.
 - Automated **daily backups and replication checks** with Bash scripting.
 - Supported **developer teams with performance analysis and indexing strategies**.
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Infinite Computer Solutions – Bangalore, India

Database Administrator | Oct 2014 – Dec 2015

- Gained foundational experience in **MySQL, Linux administration, and database operations**.
- Assisted senior DBAs in **replication setup, failover testing, and performance monitoring**.

Key Projects & Achievements

- **Aurora HA Deployment:** Designed **multi-region Aurora clusters with cross-region replication**, enabling **99.99% availability**.
- **Terraform Automation:** Standardized **Aurora/MySQL deployments** via Terraform & Ansible for fintech workloads.
- **Hybrid Cloud Replication:** Built **3-node Percona cluster + AWS Aurora read replica topology** for global failover readiness.
- **Performance Benchmarking:** Used **HammerDB & PgBench** to reduce query execution time by up to **35%**.
- **DBA Team Mentorship:** Led knowledge-sharing sessions, improving **team efficiency and incident resolution times**.

Education & Certifications

- **B.Tech in Computer Science – Integral University, Lucknow**
- **M.S. in Computer Science (Pursuing) – Woolf University**
- **RHCE – Red Hat Certified Engineer (Cert No: 130-211-378)**
- **AWS Certified Solutions Architect – Associate (In Progress)**