DATASTRIKE

POSTGRESQL TEAM

DataStrike's PostgreSQL team provides end-to-end expertise across self-managed, cloud, and fully managed PostgreSQL environments. From architecture, migration, and modernization through 24x7x365 administration, monitoring, performance optimization, and incident response, our U.S.-based engineers help organizations run highly available, secure, scalable PostgreSQL on AWS, Azure, OCI, private cloud, and on-premises.

TEAM HIGHLIGHTS

- 100% U.S.-based PostgreSQL engineers
- 24x7x365 monitoring and response
- Senior engineer-led service delivery
- Architecture, migration, and ongoing operations
- Defined SLAs and escalation
- 200+ clients supported

COMPANY HIGHLIGHTS

- Specialized PostgreSQL team
- Founded in 2008
- Headquartered in Warrendale, PA

WHY DATASTRIKE

- 130B+ monitoring checks
- HITRUST-aligned operations
- Fully managed, fractional, or project-based support
- Onboarding within 30 days
- One partner across database, cloud, and infrastructure

CONTACT

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POSTGRESQL PLATFORMS & EXTENSIONS

VERSIONS & PLATFORMS

- PostgreSQL 15 through 18 and current community-supported releases
- Legacy and end-of-life environments: assessment, stabilization, migration, and upgrade
- AI-ready PostgreSQL: pgvector, vector workloads, and application modernization

EXTENSIONS & FEATURES

- JSON/JSONB and B-tree, GIN, GiST, and BRIN indexing
- Extensions including PostGIS and broader ecosystem tooling
- Foreign data wrappers and external data integration
- Native partitioning and parallel query

ADMINISTRATION AND OPTIMIZATION

HIGH AVAILABILITY & DATA PROTECTION

- Synchronous and asynchronous streaming replication and standbys
- Logical replication, logical decoding, and CDC
- Automated failover with Patroni and repmgr
- Backup, PITR, and restore validation with pgBackRest and WAL-G
- Cross-region DR, RPO/RTO design, and failover testing

PERFORMANCE & OPERATIONS

- SQL and execution-plan tuning; pg_stat_statements workload analysis
- Autovacuum optimization, index design, and bloat management
- Statistics and query planner optimization
- Connection pooling (PgBouncer) and memory tuning
- Capacity planning and transaction ID wraparound monitoring

CLOUD & MANAGED POSTGRESQL

MANAGED POSTGRESQL

- Amazon RDS for PostgreSQL
- Amazon Aurora PostgreSQL, including Serverless and Global Database
- Azure Database for PostgreSQL Flexible Server
- OCI Database with PostgreSQL

SELF-MANAGED POSTGRESQL

- PostgreSQL on Amazon EC2, Azure VMs, and OCI Compute
- Private cloud and on-premises environments

MODERNIZATION & MIGRATION

- Major-version upgrades and EOL remediation
- In-place and side-by-side upgrades with pg_upgrade
- Near-zero-downtime logical replication cutovers
- Oracle and SQL Server to PostgreSQL migrations
- On-prem-to-cloud and cloud-to-cloud migrations
- HA/DR and resiliency assessments
- Performance remediation and scalability engineering
- Cost optimization and platform consolidation