

LUTHFI FARABI

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PROFESSIONAL SUMMARY

Results-driven Database Engineer and Senior DBA with over 10 years of experience managing multi-database fleets (MySQL, PostgreSQL, MongoDB) on cloud infrastructures (Alibaba Cloud, AWS). Proven track record of automating database operations, cutting infrastructure costs by up to 55%, and maintaining high availability for terabyte-scale tables with zero downtime. Adept at query performance tuning, index surgery, and building AI-assisted automation to eliminate toil and resolve incidents proactively.

CORE SKILLS

Databases: MySQL, PostgreSQL, MongoDB, MariaDB, Oracle, Sybase, DB2, Cassandra, Solr

Cloud & Infrastructure: Alibaba Cloud (RDS, ApsaraDB, DAS, DTS, DMS), AWS (EC2, RDS, S3, CloudWatch), GNU/Linux, PgBouncer

Observability: Datadog, Grafana, Prometheus, Mimir, New Relic

Automation & Code: Bash, Python, Java, Docker, Claude + MCP, Jira/Confluence Automation

PROFESSIONAL EXPERIENCE

Senior DBA 1

March 2025 – Present

PT Mid Solusi Nusantara (Mekari)

- Administer and scale multi-database fleets using ALIYUN services (RDS, DAS, DTS), ensuring high availability and zero data loss.
- Architect and refine logical data models for large-scale applications to support both RDBMS and NoSQL systems.
- Lead query performance tuning initiatives and cost optimization strategies, successfully managing cloud database resources efficiently.
- Perform complex zero-downtime database migrations and automated maintenance scripts.

Data Engineering and Architect Lead

July 2024 – March 2025

PT KOLTIVA

- Managed a cross-functional team of Data Engineers and DBAs to execute data infrastructure projects on tight timelines.
- Implemented comprehensive observability across the database fleet using Datadog, Grafana, and AWS CloudWatch, eliminating monitoring blind spots.
- Directed data security assessments to ensure zero leaks of confidential customer data, while assisting the compliance team with audit trails.
- Monitored database server costs and provided strategic recommendations to management, identifying potential savings.

Database Engineer Lead / DBA

April 2019 – February 2024

PT Investree Radhika Jaya

- Promoted from DBA to Database Engineer Lead (April 2021) to manage data operations and a team of engineers.
- **Key Achievement:** Resolved Critical PostgreSQL Production Incidents & Stabilized Memory (pinned at 95%) by implementing PgBouncer pooling, work_mem tuning, and targeted index plans.

- Designed and tested robust back-up and recovery/DR plans, ensuring 99.9% uptime and reliable storage procedures.
- Wrote bash scripts and cron jobs to automate private data extraction and critical server alerting, reducing manual operational toil.

System Engineer*August 2018 – March 2019***REA Group Asia (rumah123.com)**

- Configured and managed AWS infrastructure (EC2, RDS, S3, ELB) and implemented robust security groups and KMS encryption.
- **Key Achievement:** Conducted index surgery and query redesign (e.g., removing filesorts on LATERAL JOINS) combined with connection-pool management, resulting in a 40–55% reduction in cloud database bills.
- Containerized web applications using Docker and set up automated alerting pipelines via PagerDuty and New Relic.

Staff Database Administrator*February 2016 – July 2018***PT Web Marketing Indonesia (rumah123.com)**

- Installed and configured MySQL, Cassandra, and SOLR database servers.
- Managed user access permissions, query tuning, and daily data provisioning tasks for the engineering teams.

Technical Quality Assurance*April 2015 – January 2016***PT Adidata (Project on PT. Bank Mandiri)**

- Planned and conducted rigorous testing and inspection of product deliverables to ensure compliance with enterprise banking standards.

Staff Database Administrator*July 2013 – December 2014***PT Collega Inti Pratama**

- Maintained Linux and AIX servers, providing critical data center operations support.
- Managed Sybase and DB2 database servers and resolved ongoing operational disturbances.

EDUCATION

Bachelor Degree, Computer Science*2009 - 2013***Budi Luhur University, Jakarta**