ASUTOSH MOHANTY

Cloud Database Engineer

Bhubaneswar, Odisha, India | asutosh.m.2000@gmail.com | +91 9078854277

Professional Summary

Cloud Database Engineer with over 3 years of experience designing, deploying, and managing secure, scalable, and high-performance cloud-native database systems across AWS, Azure, and GCP. Proficient in IaC (Terraform, CloudFormation), performance tuning, backup automation, and database security compliance (CIS, NIST, GDPR). Proven success in building cloud-based infrastructures for business-critical applications.

Technical Skills

Cloud Platforms:

- AWS (RDS, Aurora, DynamoDB), Azure (SQL Database, Cosmos DB), GCP (Cloud SQL, Firestore)

Databases:

- PostgreSQL, MySQL, MS SQL Server, MongoDB, Redis, NoSQL

Infrastructure & Automation:

- Terraform, AWS CloudFormation, Bash, Python, CI/CD, GitHub Actions

Security & Compliance:

- IAM, KMS, Data Encryption, CIS Benchmarks, GDPR, Audit Logging

Programming & Scripting:

- Python, SQL, PHP, Java, HCL

Monitoring & Testing:

- AWS CloudWatch, Prometheus, Performance Tuning, Backup & DR Testing, Security Testing

Professional Experience

Cloud Database Engineer

Upwork - Remote | Mar 2024 - Present

- Designed and managed cloud-native database solutions (AWS RDS, Aurora, Azure SQL)

- Automated provisioning and scaling using Terraform and Python scripts

- Implemented CI/CD pipelines for DB deployments using GitHub Actions

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- Performed monitoring, tuning, and DR planning for PostgreSQL, SQL Server, and MongoDB
- Ensured compliance with security standards (IAM, CIS, NIST, GDPR)

Database Engineer (Independent Project Contractor)

Bhubaneswar, Odisha | Oct 2022 - Jan 2023
- Developed Terraform scripts to deploy RDS, MySQL, and Aurora clusters
- Implemented automated backup and log shipping scripts
- Introduced schema version control automation

Certifications

- AWS DMS (Database Migration Service) - AWS, 2025
- Building with AWS Databases - AWS, 2025
- Amazon QLDB Service - AWS, 2025
- TATA GenAI Data Analytics Simulation - Tata Skill Builder, 2025
- Walmart Advanced Software Engineering Simulation - Walmart Skill Builder, 2025
- PyTorch & Deep Learning - Linux Foundation, 2025

Projects

1. Big-Mart Sales Prediction:
   - ML pipeline using PostgreSQL, Flask, Scikit-learn, CI/CD with GitHub Actions.
2. Scalable Static Website Deployment:
   - Deployed secure, cloud-native site with AWS S3, Terraform, Cloudflare.
3. PII Protection System:
   - Django-based OCR system with AES-256 encryption for PII data.