

Deniz Gökdoğan



Profile Summary

Database Administrator specialized in *PostgreSQL* and *Oracle*, with expertise in high-availability architectures, performance tuning, backup & recovery, monitoring, and security. Experienced in implementing Patroni, and load balancing for HA setups, as well as query optimization and TimescaleDB for time-series data. Skilled in automation with *Bash*, *Batch*, and *PowerShell* scripting. Currently working at Istanbul Metropolitan Municipality (IMM) as a DBA, ensuring database reliability, scalability, and efficiency. Additionally, experienced as a Full Stack Developer with a background in building scalable applications.

Contact details

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Skills

Database Administration

- PostgreSQL (HA, Replication, Partitioning, PgBouncer, Patroni, Citus)
- Oracle (User Management, RMAN, Data Guard, Partitioning, Performance Tuning)

Monitoring & Tools

- Prometheus, Grafana, Percona Monitoring

Scripting & Automation

- Bash, Batch, PowerShell

Operating Systems

- Linux, Windows

Other (Supportive)

- Git, JavaScript, Node.js, C#, ASP.NET, Python (scripting & automation)

Experience

Database Administrator at IMM

11/2023 – Present

- Managed PostgreSQL and Oracle databases with focus on HA and performance.
- Implemented Patroni for PostgreSQL high availability and scalability.
- Optimized queries, indexes, and partitioning strategies to improve efficiency.
- Created stored procedures, views, functions, and indexes. Created temp tables, CTEs, and variables for data manipulation.
- Automated backup, monitoring, and maintenance tasks using Bash and PowerShell.
- Ensured ISMS-compliant database security, user management, and auditing.
- Maintained automated data pipelines for efficient data extraction, transformation, and loading (ETL) processes using SQL and Python
- Created complex SQL queries using UNION and UNION ALL, Join's, GROUP BY, WHERE, and HAVING conditions for report and dashboard creation.

Full Stack Developer at Unique Tech

12/2021 -- 07/2023

- Developed applications with C# and ASP.NET.
- Integrated databases (SQLite, PostgreSQL) for data-driven solutions.
- Built dashboards for processing and visualizing sensor data.

Previous Experiences (Summary)

2019 — 2021

- Computer Vision / Data Processing Engineer -- TÜBİTAK – Istanbul Technical University. Worked on data-heavy projects, image classification, and automation. (01/2020 – 12/2021)
- Data Quality Intern – Performed testing and validation of geospatial data. – HERE Maps (09/2019 – 11/2019)
- QA Intern – Worked on indoor positioning systems and digital mapping QA. – Boni Pazarlama ve İletişim (12/2019 – 01/2020)

Education

Ph.D., Geomatics Engineering *Istanbul Technical University*. 2023-Ongoing

M.Sc., Geomatics Engineering *Istanbul Technical University*. 2021-2023

B.Sc., Geomatics Engineering *Istanbul Technical University*. 2015-2020

Certifications

- RHCSA Rapid Track course - RH199, *Bilginc IT*
- Networking Basics, *Cisco Networking Academy*.
- Linux Unhatched, *Network Development Group*.
- JavaScript Essentials 1, *JS Institute*.
- Batch Script Programming, *Udemy*.
- Bash Script Programming, *Udemy*.
- Getting Started with the Geodatabase, *Esri*.

Languages

Turkish: *Native*

English: *Upper-Intermediate (B2)*

Hobbies

Candle making and fitness (recently)