PHILIPS RHOGUNS

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Database & Systems Administrator | PostgreSQL, Linux, Active Directory, Ansible | AWS Certified DevOps

SUMMARY

Computer Science student at York University with two and a half years in a 24/7 operations centre, and labs I can show running: a PostgreSQL primary and replica where I have restored a dropped table to a point in time and failed over to the standby, Linux servers built and hardened with Ansible and verified against CIS checks, and an Active Directory domain with a joined client authenticating real users. AWS Certified DevOps Engineer – Professional.

SKILLS

Databases: PostgreSQL 16: streaming replication and high availability, point-in-time recovery (pg_basebackup, WAL archiving), failover and promotion, performance tuning with pg_stat_statements and EXPLAIN ANALYZE, indexing strategy, VACUUM and bloat, roles and grants; SQL Server and MySQL fundamentals
Linux: Ubuntu and RHEL, systemd, users and sudo policy, SSH hardening, ufw/iptables, LVM and filesystems, NFS, cron, logrotate, auditd, journalctl, performance triage (top, vmstat, iostat, ss)
Directory and identity: Active Directory / Samba AD: domain provisioning, OUs, groups, GPO, Kerberos, LDAP, DNS; domain join with winbind; user lifecycle and access reviews; Windows Server, Group Policy, Intune
Automation and IaC: Ansible (roles, handlers, templates, check mode, idempotency), Bash, Python, PowerShell, Terraform, Bicep, Docker and Docker Compose, Git, GitHub Actions
Cloud and monitoring: AWS (EC2, S3, RDS, IAM, CloudTrail, Lambda), Azure (Entra ID, Key Vault, Defender for Cloud); backup and restore testing, capacity planning, alerting

CERTIFICATIONS

CompTIA Security+ | AWS Certified DevOps Engineer – Professional | Microsoft Certified: Power Platform Developer Associate (PL-400) | Google Cybersecurity Professional Certificate

PROJECTS

PostgreSQL DBA Toolkit *PostgreSQL 16, replication, PITR, Docker*

- Primary and streaming replica with WAL archiving. The point-in-time recovery drill drops a 500,000-row table, recovers to a timestamp before it, and asserts the table is back and the post-target write is gone. The failover drill promotes the standby and confirms it takes writes.
- Diagnostics library for health, slow queries, missing and unused indexes, bloat, locks and permissions. It flagged an unindexed foreign key; adding the index took a query from 24.9 ms to 0.2 ms, built with CREATE INDEX CONCURRENTLY so nothing was locked.
- Runbooks for replication, backup and recovery, and a step-by-step for performance tuning when a query is slow.

Ansible Server Baseline *Ansible, Ubuntu, CIS, ufw, LVM*

- Eight roles that build and harden Linux servers: users and sudo policy, SSH, firewall rules per server role, LVM and mount options, auditd, patching, monitoring. A web server and a database server get different firewall surfaces from the same playbook.
- Two tests keep it honest: the playbook must report zero changes on a second run, and 41 checks inspect the running hosts against CIS Benchmark items. Both pass. Includes a read-only drift report and a serial patching playbook.

Directory Services Lab *Samba AD, Kerberos, LDAP, winbind*

- An Active Directory domain with OUs, groups, service accounts, a password policy and a linked GPO, plus a Linux client joined with winbind. 30 checks verify it, including a domain user authenticating from the client and an offboarded account being unable to. Offboarding disables and strips memberships rather than deleting, so SIDs and audit trails survive.

Toronto Open Data Pipeline *Python, PostgreSQL, dbt, Airflow*

- Loads 450K rows into PostgreSQL and models them with dbt into a star schema with 40 data-quality tests, scheduled by Airflow. Found and fixed an idempotency bug where the loader dropped tables that dependent views needed.

AWS Security Auto-Remediation *Terraform, Lambda, GuardDuty*

- Terraform-deployed detective controls feeding a Lambda that blocks public S3 buckets and revokes world-open ingress on risky ports, with least-privilege IAM and a dry-run switch.

EXPERIENCE

Security Operations Centre Operator, then Team Lead | York University, Toronto, ON *Jul 2022 – Jan 2025*

- Ran a shift of control room operators for a campus of 50,000+, on a 24/7 rotation. First point of escalation, decided when to involve Toronto Police, Fire or EMS, signed off the incident reports and shift logs that went to management, and trained new operators.

EDUCATION

Bachelor of Science, Computer Science | York University, Toronto, ON *Expected December 2026*