Josue A. Garcia II

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PROFESSIONAL SUMMARY

Junior Database Administrator with 7+ years in IT, including 3+ years at Owens Asia, Inc. Maintains 15 databases across production and lower environments: daily monitoring, replication troubleshooting, backups and restores, and database changes for developers. Also investigates client issues from load balancer logs and builds client reports and the HubSpot-to-BigQuery integration. Runs a home lab with MySQL replication and failover, change data capture to PostgreSQL, and Airflow data pipelines. Earlier IT Specialist work covered user support, Active Directory and Microsoft 365 administration, and infrastructure.

EXPERIENCE

Owens Asia, Inc. Clark Freeport Zone, Pampanga
Junior Database Administrator Jul 2026 to Present

- Monitor and maintain 15 databases across production and lower environments, and troubleshoot replication between the MySQL replica and GCP CloudSQL.
- Resolved a replication failure from the MySQL replica to GCP CloudSQL triggered by a new stored procedure: traced the cause to the procedure running under the root account, and fixed it by creating a dedicated least-privilege user limited to INSERT access on a single database.
- Maintain automated database backups every 4 hours with 14-day retention (oldest backups deleted automatically), and built a restoration automation that recovers data to a chosen date.
- Create and maintain database tables, and apply the changes developers request.
- Investigate client-reported issues using GLB (Google Cloud load balancer) HTTP request logs, routed to BigQuery through a log sink. Built a Data Studio report showing the most frequently failing requests, and raised HubSpot tickets to get the data needed for tracing added to those logs.
- Deliver weekly, monthly, and ad-hoc client order reports and resolve report discrepancies. Built a Google Apps Script tool that pulls each client's orders by status (delivered, in progress, delayed, action required) and cleans the data for reporting.
- Build and maintain the HubSpot-to-BigQuery integration and produce weekly and ad-hoc reports from HubSpot data. Now automating report downloads to replace manual exports.

IT Specialist Mar 2023 to Jun 2026

- Migrated a monolithic CRM database from local MariaDB to GCP CloudSQL using custom replication, and analytics reporting stayed at 100% uptime.
- Fixed slow queries and tuned indexes to speed up data retrieval.
- Set up automatic archiving of GLB logs (network logs, HTTP request logs, and others) from BigQuery to a Google Cloud Storage bucket, which keeps them retrievable at a lower cost.
- Built a Python data validation pipeline that tracks backup drive operations, audits integrity, and sends daily summaries of missing files.
- Monitored virtual machine performance (storage, memory, error logs) across environments and worked with other teams to resolve incidents through Jira, iTop, and HubSpot.
- Built and maintained Data Studio dashboards for production and infrastructure KPIs, used by several global operations teams.
- Wrote a Google Apps Script tool that generates the HTML for marketing emails, cutting production time by up to 83% (1 hour to 10 minutes).
- Provided technical support for hardware and software issues and answered user inquiries.
- Managed IT inventory lists for branches in the Philippines, India, and the US.
- Performed hardware inventory audits, maintenance, troubleshooting, and equipment deployment across multiple branches.
- Handled user account onboarding and offboarding in line with security compliance requirements.
- Worked with other teams to resolve issues and escalated them when needed.
- Wrote documentation for new IT assets and updated existing documents after changes or upgrades.
- Logged and tracked issues in Jira, iTop, and HubSpot tickets until they were resolved.

Stefanini Philippines Pasay City, Philippines
Information Technology Specialist Nov 2021 to Jul 2022

- Set up laptops and desktops and installed the onboarding and general applications.

- Applied OS and application patches on Windows machines using the Microsoft Download Center and on Mac machines using Jamf.
- Administered Microsoft 365, including the admin center, compliance, Teams, SharePoint, and OneDrive.
- Managed Active Directory and Azure AD.
- Audited IT hardware assets and evaluated whether devices were still usable.

Dnata Travel, Inc. Clark Freeport Zone, Pampanga
Information Technology Specialist Nov 2019 to Jul 2021

- Set up the network for a building of several hundred employees: firewalls, switches, routers, Wi-Fi, and endpoints.
- Managed Active Directory and Azure AD.
- Reviewed daily system logs and ticket records to find recurring hardware and software problems to cover in user training.

Clark Airport Support Services, Corp. Clark Freeport Zone, Pampanga
Information Technology Officer (promoted from IT Staff, May 2018) Feb 2018 to Nov 2019

- As the sole IT staff member, supported IT infrastructure, managed Active Directory, performed preventive maintenance, and helped with system upgrades.

PERSONAL LAB PROJECTS (DATABASE INFRASTRUCTURE)

- High-availability MySQL 8.4 replication: deployed GTID replication (one primary, two replicas) across 10 application databases behind ProxySQL, with Orchestrator for automatic failover (enabled for drills) and a fencing step. Ran live failover drills; the latest, under load, took 6.9 s from kill to first successful write with no failed writes and no lost acknowledged writes. Recovered from a multi-app outage in an earlier drill and wrote a failover runbook and automation scripts from its postmortem.
- Change data capture to PostgreSQL: deployed and operate Debezium and Kafka Connect replicating an 8-table MySQL schema into PostgreSQL. Recovered a sink outage where events from separate topics arrived out of order and violated foreign keys on the target: removed the target-side keys (MySQL still enforces them), restarted the sink, and confirmed identical row counts on the writer, replica, and PostgreSQL.
- Data pipeline operations: run Airflow DAGs that collect job postings from five job boards (Arbeitnow, Jobicy, RemoteOK, plus Indeed and LinkedIn searches in eight countries), land raw data in MinIO, and load MySQL with idempotent upserts, 14-day retention, duplicate merging, and pre-insert scam screening by a local and a hosted language model (about 1,700 live postings).
- Monitoring and alerting: deployed Prometheus and Grafana with node and MySQL exporters and six alert rules to Discord; tested the alerts by deliberately exhausting database connections.
- Query and index tuning: on a 1M-row dataset, cut a slow query from 26.8 ms to 1.6 ms (about 17x) with a composite index.

SKILLS

Databases: MySQL 8.4, PostgreSQL, GCP CloudSQL, Google BigQuery, MariaDB

Reliability & Operations: GTID replication, failover, backup and restoration, query and index tuning, change data capture (Debezium, Kafka Connect), Prometheus, Grafana, Docker Compose, Linux (Debian), Virtual Machines

Scripting & Automation: Bash, PowerShell, Google Apps Script, JavaScript, Python

Reporting & Tools: Data Studio (formerly Looker Studio), HubSpot, Jira, iTop

IT Administration: Active Directory, Azure AD (Microsoft Entra ID), Microsoft 365 (admin center, compliance, Teams, SharePoint, OneDrive), Jamf, Windows and Mac support

Currently Learning: Apache Airflow and Apache Kafka fundamentals (both run in my lab), Ansible (configuration management and automation)

EDUCATION & CERTIFICATIONS

Cagayan State University - Carig Campus Graduated Dec 2017
Bachelor of Science in Information Technology (Concentration in Programming)

Google Data Analytics Professional Certificate Coursera • Completed May 2026
SQL, spreadsheets, Tableau, and the full data lifecycle

Google Business Intelligence Professional Certificate Coursera • In Progress
Data warehousing, ETL pipelines, and performance monitoring dashboard design