Lielani D. Gatdula

APP/CLOUD ENGINEER | SQL ANALYST

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🏠 Plaridel Bulacan, Philippines

Highly skilled app/cloud engineer | SQL Analyst with 5 years of experience in database design, optimization, maintenance, and cloud database solutions. Certified in AWS Cloud Practitioner with hands-on experience in developing and maintaining cloud applications. Skilled in leveraging cloud platforms like AWS, Azure, and Google Cloud for scalable and secure database management. Expertise in SQL, ETL processes, and database migrations to cloud environments. Passionate about enabling data-driven decisions through efficient database solutions and cloud integrations.

AWARDS

- Business Resiliency & Security Champion (FY24 Q3 Gantimpala Winner)
- Business Resiliency & Security Champion (FY24 Q4 Gantimpala Winner)
- Business Resiliency & Security Champion (ATCP Gantimpala FY24 Annual Winner)

CERTIFICATES AND ACHIEVEMENTS

- AWS Certified Cloud Practitioner (July 2023)
- Technical facilitator in AWS classroom trainings of Accenture new joiners up to manager level.
- AWS DeepRacer Participant (2023)
- Completed AWS Elevate days
- Completed GenAI training

HANDS ON EXPERIENCE

- **Ransomware on S3 - Simulation and Detection**
  - I used CloudFormation to create resources.
  - AWS CloudShell to setup and simulate a ranswomare based security event, then used Amazon Athena to sift through CloudTrail logs.
  - Cost and Usage Report within AWS Billing and CloudWatch to confirm evidence of data exfiltration and data deletion.
  - GuardDuty to provide supplementary detail about the removal of server access logging on an S3 bucket.
- **Cryptominer Based Security Events - Simulation and Detection**
  - I used CloudFormation to set up detection and analysis environment.
  - AWS CloudShell to simulate a cryptominer based security event.
  - Amazon Athena to review and query the logs.
- **Unauthorized IAM Credential Use - Simulation and Detection**
  - I used CloudFormation to set up detection and analysis environment that included adding a CloudTrail trail, setting up VPC Flow logs, and turning on Route53 DNS Resolver Query logs.
  - AWS CloudShell to simulate a security event based on exposed IAM credentials that populated CloudTrail logs.
  - Amazon Athena to review and query the logs.
- **Serverless Web Application**
  - I used S3 to host my static website.
  - API Gateway to trigger Lambda functions for handling GET and POST requests.
  - DynamoDB to store the data.
  - CloudFront to secure the application.
- **Created Lambda function to stop and start EC2 at a regular intervals**
  - I created custom IAM policy and IAM role for the lambda function.
  - Created lambda function to stop and start EC2
  - Created EventBridge schedule that run function on a schedule.
- **Created personal portfolio website using HTML, CSS, JavaScript and Github - https://lani1l.github.io/Lei/**
- **Created the following dashboard using power BI:** product category & count, sales & marketing report, and Supply Chain Management.
- **Developed a sales and inventory system for boutique using Vb.Net.**
- **Developed an electronic bingo game using Vb.Net**
- **Developed personal website using HTML and CSS.**

PROFESSIONAL EXPERIENCE

Accenture

Food and Beverage Manufacturer

February 2020 - Present

App/Cloud Support Engineer | SQL Analyst
- Performed ETL (Extract, Transform, Load), data backup and recovery using MySQL to different tables and databases.
- Performed data clean up(removing bad data, Null values, trailing spaces) using SQL queries resulting in a 20% improvement in system responsiveness and speed.
- Investigate, Troubleshoot, and Resolve cloud based application related issues.
- Created Data dashboard to automate the reporting process using power BI.
- Proposed improvements and automation to increase application efficiency and reduce incidents by 13%.
- Created SQL scripts, indexes and complex queries for data analysis of RDAs and Regulatory.
- Developed and optimized complex SQL queries to extract, transform, and analyze large datasets, improving report generation time by 30%.
- Conducted root cause analysis and create knowledge base articles for recurring issues.
- Worked with the security team to implement and enforce role-based access controls, encryption, and audit logging.
- Monitored and maintained XML syndications to ensure correct data replication in our system.
- Resolved critical issues and avoid escalations resulting to good feedback from the business.
- Reviewed SQL scrips for extracts and data loads of my colleague before they execute live.

Retail store at North America

June 2019 - December 2019

Application Developer Associate
- Secured data backup including Item inventory, customer profile, sales history, employee record etc. using MySQL.
- Conducted data extraction, cleaning, and mapping, ensuring smooth and accurate transfer of customer, inventory, and sales data using MySQL and PowerShell.
- Conducted testing to validate data accuracy, system stability, and functionality across different POS operations.
- Performed end-to-end testing, including sample transactions, inventory updates, and reporting, to ensure the system works as expected.
- Oversaw the cutover process, switching from the old POS system to the new one during non-peak hours to minimize disruption.
- Provided remote support during the initial go-live phase to resolve any immediate issues that arise.
- Monitored system performance and user feedback closely, making adjustments as necessary.

SKILLS

- **Cloud Platforms:** Amazon Web Services (AWS), Microsoft Azure(basic), Google cloud(basic)
- **Cloud Services:** AWS EC2, S3, Lambda, RDS, IAM, Amazon Athena, CloudShell
- **Programming Languages:** Python, .Net, HTML, CSS, C++
- **Database Management**: DynamoDB, MySQL
- **DevOps Basics:** AWS CodePipeline, CodeBuild, Git
- **Automation**: CloudFormation, Terraform (basic)
- **APIs**: RESTful APIs, AWS API Gateway
- **Monitoring & Security:** IAM, Security Groups, CloudTrail, CloudWatch
- **ETL Tools:** SSIS, AWS Glue
- **Data Visualization:** Tableau(basic), Power BI, Quicksight
- **Database backup and Recovery**
- **Power BI Reporting and Analytics**
- **Knowledge in Reinvent Learning**

EDUCATION

Bachelor of Science in Computer Engineering
Bulacan State University (Main Campus)
2013 - 2018