ZELALEM MEKONNEN

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EDUCATION

BA INFORMATION TECHNOLOGY

Trevecca Nazarene University | 2021

- *Relevant course work*: Algorithms and Data Structure, Computer Networking, Software Architecture

PROFESSIONAL EXPERIENCE

JUNIOR DATA ENGINEER, CIGNA HEALTHCARE

02/28/2022 - 11/28/2022

- *Cigna: Fortune Top 20 healthcare company, serving over 190 million people.*
- Designed and developed business-focused data models using Python and PySpark.
- Engineered and maintained ETL workflows via AWS services (Lambda, Glue, S3), streamlining data extraction, transformation, and loading from multiple sources into a data warehouse.
- Conducted data analysis and profiling with PySpark to uphold data quality and consistency.
- Collaborated closely with the data management team, ensuring data infrastructure adhered to business requirements and compliance standards.
- Employed Terraform for infrastructure as code and AWS resources automation.
- Authored Bash scripts for ETL process automation and infrastructure deployment.

PROJECT EXPERIANCE

LOCAL LIBRARY PROJECT | LINK

- Developed a backend application using Django, a Python framework.
- Implemented form validation at both the client and server-side.
- Utilized built-in caching system to present differing views for logged-in users.
- Crafted database models using Django's ORM functionality.
- Executed CRUD operations for books and users, employing bootstrap for minimalistic styling.

SKILLS

- Python programming
- PySpark
- Database design
- ETL development using AWS services (Lambda, Glue, S3)
- Data warehousing concepts and methodologies
- Data analysis and profiling techniques using PySpark
- Problem-solving and communication
- Infrastructure as code using Terraform
- Bash scripting