

# MWESIGWA CHRISTOPHER

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## TECHNICAL SKILLS

### Programming Languages

- Java -SQL  
- Python - Javascript  
- Typescript

### Other stacks

- SQL -HTML  
- UML -YAML

### Skills

- Jenkins, Github Actions (CICD) - Git - HCI  
- Mysql, PostgreSQL, MongoDB, - Pub/sub -RabbitMQ - Kafka  
- AWS, GCP - Linux, - Spring(Boot, Security, DataJPA)  
- React Stack - Containerization(Docker, k8s )  
- Prometheus, - Grafana

## PROJECTS & JOBS

**Aetotechs US / *Software Engineer* ~ Nov, 2021- Feb, 2024 / *Acting Engineering manager* ~ Feb 2024 - present ]**

- Trained/groomed 7 passionate entry level developers onto the team and had them gain experience to contribute to enterprise projects. Supervised 23 interns through my role.
- Engineered a cost-efficient infrastructure by migrating from unpredictable cloud environments to a fully optimized dedicated server, leveraging orchestration, containerization, and advanced server monitoring tools to enhance automation, system resilience, and reduce operational expenses by 23%.

**Pivosoft Ug ( *Contract.* ) ~ *Software Engineer II* ~ Dec, 2023 - present [ *paused project awaiting funds*]**

- Contributed 80% of the reporting component and 23% of the profiling component on the server side of Educate! Web portal and CMS system.
- Built the user and role/permission management console interface and implemented the reporting(Data visualization) interface.

**Family Investment Fund [FIF] Treasury System ( *Software Engineer III* ) ~ Dec 2024 - present**

- Architected the system design and implemented an API to handle the FIFund business logic, tracking deposits, withdrawals, account operations, verifications and location and IP address based validations for transactions.
- Configured a secure environment(Google Dedicated Server) for API and data hosting.

**Orange Disease Detection NN Model ( *Project* ) - *Co-Investigator* ~ June 2024 - Jan 2025**

- Collected over 48% of the total data sets that amounted to 4,400 of the 9,000 total dataset pool.
- Trained MobileNet v2 on the dataset to 30 epochs obtaining an accuracy of 82.46% and varied the model to DenseNet 121 on the same dataset obtaining an accuracy of 91.64%. This influenced the quantitative selection of the DenseNet Variant.

**Nalmart [ *Contract* ] ( *Software Engineer III* )**

- Designed a distributed e-retail system with 7 microservices to isolate concerns and maintain coordination between operations.
- Have held 8 training and Quality assurance meetings to-date.

## ACCOMPLISHMENTS & LEADERSHIP

**University GDG Representative**

**Soroti University**

Google Developer Groups

**Google Certified Cloud Engineer [ACE]**

**Google, US**

Cloud engineering certification from google

- *In progress*

## EDUCATION

**Soroti University,**

**Soroti, UG**

*BEng. Electronics and Computer Engineering*