

# Ahourdet Donambi Thierry

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## PROFILE

AWS Certified Solutions Architect and Big Data Analytics MSc student with experience in Python, Django, and SQL. Proven ability to design RESTful APIs, engineer data pipelines, and deploy cloud databases. Actively seeking Data Engineering or Python Backend internships to build scalable data systems. Bilingual in English and French.

## EDUCATION

**Adventist University of Central Africa** Dec 2024 – Present | Kigali, Rwanda  
*Master of Science in Big Data Analytics*  
- **Coursework:** Statistical Analysis, Machine Learning, Database Systems, Python, Web Technologies, Web Services & API Dvpt, Data mining, Cloud Computing & Virtualization, Data Mining, Advanced Computer Networking.

**Adventist University of Central Africa** 2019 – 2023 | Kigali, Rwanda  
*Bachelor's Degree of Science in Information Technology |  
Networks and communication systems*  
- **Coursework:** Network Design & Configuration, Network Security & Administration, Programming(C & Java), Database Management, Linux Administration, Web Technologies, Mobile Communication, and System Design.

## PROFESSIONAL EXPERIENCE

**Network Operation Center Technician L1** Jan 2025 – Jun 2025 | Kigali, Rwanda  
*ZTE Rwanda*  
- Monitored network alarms and KPIs using proprietary ZTE tools, prioritizing fault resolutions to minimize downtime and service disruptions.  
- Generated daily health reports by aggregating performance metrics, providing actionable insights to wireless product teams.  
- Collaborated with site engineers to troubleshoot hardware anomalies, improving incident response times.

**Freelance Web Developer** Dec 2025 – Present | Kigali, Rwanda  
- Autonomously managed end-to-end development timelines for commercial clients, translating business requirements into responsive full-stack Django applications.  
- Developed commercial websites.

**IT technician Intern** Aug 2022 – Oct 2022 | Kigali, Rwanda  
*SOMA Foundation Rwanda*  
- Configured and deployed portable routing hardware, updating firmware and resolving connectivity issues to support organizational operations.

## TECHNICAL SKILLS

**Data & Backend**  
Django, Django REST Framework, PostgreSQL, MySQL, SQLAlchemy, ETL Pipelines.  
**Certifications**  
AWS Certified Solutions Architect, AWS Certified Cloud Practitioner, Google CyberSecurity

**Programming**  
Python, SQL, R, JavaScript, HTML/CSS  
**Cloud & Tools**  
AWS (RDS, EC2, S3), Linux, Git, Jupyter, Postman, Chart.js, Alpines.js, htmx.js, Bootstrap5, Tailwinds

## SOFT SKILLS

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- Communication Skills
- Problem-Solving
- Proactivity
- Time Management & Prioritization
- Collaboration & Teamwork
- Bilingual / Cross-Cultural Communication

## PROJECTS

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### Smart Greenhouse Monitoring System (IoT & Cloud)

Jan 2026 – Feb 2026

*Python, Django REST, AWS RDS, Chart.js*

- Engineered a web-based IoT dashboard utilizing Django to visualize real-time environmental conditions across multiple zones.
- Architected a RESTful API to simulate and ingest sensor data, storing readings securely in an AWS RDS MySQL database.
- Implemented an automated SMTP email alert system to notify administrators when temperature or humidity thresholds are breached

### Automated Data Cleaning Pipeline

*Python, Pandas, PostgreSQL, SQLAlchemy*

- Developed a Python script to ingest and clean a 10,000-row synthetic sales dataset, handling missing values and coercing data types.
- Reduced data inconsistencies by 7.75% and successfully mapped the sanitized data into a local PostgreSQL database using SQLAlchemy.

### Spotify & Netflix User Behavior Analysis

*Python, Pandas, Seaborn*

- Conducted exploratory data analysis on large-scale streaming datasets to extract temporal trends and interaction patterns.
- Engineered new features to track total watch times, skip rates, and completion statuses, visualizing insights with Matplotlib and Seaborn.