



System Integration Engineer Rwanda

Location: Kigali, Rwanda (Hybrid: initially remote, transitioning to ~3 days/week in-office once established)

Team: Delivery-Engineering, Rwanda

This is a **12-month contract role, renewable based on project needs**. This role requires close collaboration with local partners in Kigali. Applicants must be based in Kigali and legally eligible to work in Rwanda. No visa sponsorship.

Zenysis is a global technology company on a mission to transform how governments and international organizations respond to the world's most urgent health challenges. Our advanced integration and analytics software helps decision-makers deliver lifesaving programs, track emerging threats, and coordinate large-scale emergency responses.

Governments across Africa rely on Zenysis to deliver healthcare to millions, monitor pandemics, and strengthen national systems. We are proud to be backed by leading partners including the Global Fund, Gavi, and the Gates Foundation.

We are a diverse team of technologists, public health experts, and development professionals. At Zenysis, diversity, equity, and inclusion are not just values—they define how we work. We also prioritize healthy work-life balance and long-term sustainability in everything we do.

The Role

We are looking for an Integration Systems Engineer to help build and sustain the national data systems that power Rwanda's Health Intelligence Center (HIC). In this role, you will serve as the technical lead responsible for integrating priority health data sources into the Rwanda Health Analytics Platform. Working closely with Ministry of Health counterparts, Zenysis data architects, and engineering teammates, you will develop and optimize pipelines that improve data quality, strengthen reporting, and support a more responsive health system. While your primary focus will be on the Rwanda HIC initiative you may also contribute to similar Zenysis projects globally as capacity allows.

Key Responsibilities

Data Integration & Engineering (core focus)

- Lead development of new data integrations from diverse data sources into the Rwanda Health Analytics Platform.
- Optimize and scale data pipelines to handle growing data volumes and new client requirements.
- Ensure data quality, reliability, and integrity through systematic testing and monitoring.
- Implement data harmonization and transformation workflows to support national analytics.
- Evaluate and introduce new tools or approaches to improve performance and efficiency.
- Contribute learnings from Rwanda to other Zenysis deployments when relevant.

Technical Support & Platform Reliability

- Act as the primary technical contact for Rwanda platform-related issues.
- Investigate and resolve integration failures and implement preventive solutions.
- Collaborate with engineering colleagues to maintain a secure, high-performing system.
- Provide technical guidance to both internal stakeholders and Ministry partners.

Collaboration & Stakeholder Engagement

- Work closely with Ministry of Health teams to translate needs into technical solutions. Participate in cross-functional meetings, share progress, and document workflows.
- Support knowledge-sharing and contribute to building local technical capacity.

Engineering Culture & Continuous Improvement

- Help refine team processes, documentation, and engineering best practices.
- Stay current with emerging tools and trends in data integration and systems engineering. Offer insights into roadmap planning and help foster a collaborative team environment.

What We're Looking For

Education:

- Bachelor's or Master's degree in Computer Science, Engineering, or related fields.

Experience:

- 3–5 years in software development, data engineering, or systems integration.
- Strong experience with ETL pipeline development using Python and SQL.
- Experience working with APIs, databases, and orchestration tools (Airflow, Prefect, etc.).
- Comfort working in Linux environments and supporting on-premise and cloud deployments (AWS, S3, MinIO).
- Experience working closely with both technical and non-technical stakeholders.

Technical Skills:

- Strong understanding of data integration and ETL design principles.
- Advanced Python and SQL skills.
- Familiarity with Linux command line, cloud services (AWS), Docker, and PostgreSQL.
- Ability to write scripts (Bash/Python) to automate workflows.
- Ability to produce clear technical documentation.
- Comfort using AI-assisted tools to enhance development and troubleshooting.

Behavioral Skills:

- Strong analytical and root-cause problem-solving skills.
- Sound judgment and structured thinking, even in ambiguous situations.
- Clear communication with diverse audiences.
- Strong ownership and accountability in a remote-first team.
- Adaptability in a fast-paced, mission-driven environment.

Why Join Zenysis?

- Work at the intersection of technology and public health to drive real, systemic impact
- Collaborate with global experts and local stakeholders
- Join a mission-driven, inclusive team that values diversity and balance
- Contribute to projects that directly improve healthcare outcomes for millions

We are proud to be an **equal opportunity employer** and are committed to building a diverse and inclusive team. Women, minorities, and people with disabilities are strongly encouraged to apply.

Apply?

👉 Ready to make an impact? Submit your cover letter and resume via people@zenysis.com. We will review CVs on a rolling basis until the role is filled. Only shortlisted candidates will be contacted.

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