**Approach for Senior Quality Engineer / Test Architect at Securitease**

**By Cebolenkosi Cedrick Vilakazi**

Based on the About Us section on the company website- SecuritEase’s focus on financial trading systems, wealth management, and derivatives brokerage, and so my approach for the first few months as a Senior Quality Engineer (acting as a Test Architect) would be about building a scalable quality foundation for a complex, high-stakes financial product ecosystem.

1.Foundations

Goal:

* Understand, assess and baseline the current state of quality.
* Map out critical business workflows
* Quality maturity and gap analysis
* Current Test strategy

Example - Learn core SecuritEase modules (Trading, Derivatives, Brokerage, Wealth Platform

2. Architecture & Automation Acceleration

Goal:

* Establish a robust test automation foundation integrated with CI/CD
* Shift-Left Quality – collaborate with developers to integrate automated checks into PR validation
* Framework Consolidation (understand and improve the process)

Example: Introduce a unified automation framework tied to quality KPIs

3. Data, Observability & Non-Functional Quality

Goal:

* Mature the ecosystem with smarter test data and reliability engineering
* Test data management i.e. automate test data provisioning, isolate datasets for parallel testing to avoid collisions
* Monitoring and Quality Analytics – Correlate production incidents to test gaps

Example: data generation for accounts, trades and portfolios

4. Governance & Scaling

Goal:

* Quality Governance Model - Establish “Quality Champions” per team for decentralized ownership
* Proposing roadmap for AI-assisted testing i.e. intelligent test selection, defect prediction
* Tooling and future roadmap i.e. defining continuous improvement loop

**Deliverables**

* Test Architecture Diagram (System + Tools + Environments)
* Standardized Test Strategy Document
* CI/CD Pipeline Templates for Tests
* Quality KPIs Dashboard
* Test Data Automation Scripts
* Quality Maturity Assessment