

# Monthly Report for SIBONGILE MAZIBOKO

**Role: Virtual Klerking & Blockchain Development Trainee**

**Month: November 2025**

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## 1. Haskell Learning and Assessments

During this month, I made significant progress in my programming studies by completing **37 Haskell quizzes**. These quizzes helped strengthen my understanding of key concepts such as functional programming basics, recursion, pattern matching, higher-order functions, list operations, and introductory Plutus-related Haskell topics. Completing all 37 quizzes demonstrates my growing competence and confidence in Haskell.

## 2. Token Minting

This month, I successfully minted my own tokens on the Cardano blockchain. Through this process, I gained practical experience with Cardano's Extended UTxO model, minting policies, and native asset creation. This achievement shows my ability to apply theoretical

blockchain concepts in a real environment and interact with smart-contract-based token systems.

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Achieved Haskell Plutus Level : 38/60		
No	Task Code	Task Title
38	HP1009520251127	<a href="#">HP-37-37 Ledger-V1-Haskell Plutus Smart Contracts</a>
37	HP1009520251127	<a href="#">HP-36-36. Oracles-Haskell Plutus Smart Contracts</a>
36	HP1009520251127	<a href="#">HP-35-35. Atomic Swap-Haskell Plutus Smart Contracts</a>
35	HP1009520251127	<a href="#">HP-34-34. Prelude-Haskell Plutus Smart Contracts</a>
34	HP1009520251127	<a href="#">HP-33-33. Lift-Haskell Plutus Smart Contracts</a>
33	HP1009520251127	<a href="#">HP-32-32. Value-Haskell Plutus Smart Contracts</a>
32	HP1009520251127	<a href="#">HP-31-31. ADA-Haskell Plutus Smart Contracts</a>

### 3. Research on Enterprise Filing Systems and Enterprise Information Systems (EIS)

I conducted research on how Enterprise Filing Systems (EFS) and Enterprise Information Systems (EIS) operate within organizations. My research focused on how these systems help companies manage documents, organize data efficiently, support decision-making, and improve workflow processes. I also explored how EIS concepts can be applied to strengthen **WIMS Cardano**, especially in areas such as data management, scalability, workflow automation, and system reliability.

### 4. WIMS Cardano: Research and Improvements

As part of my ongoing learning, I examined how enterprise-level systems can improve the WIMS Cardano ecosystem. My findings showed that adopting strong information

management practices could help WIMS Cardano operate more efficiently, handle larger datasets, and integrate different organizational tools more effectively.

## **5. Current Research: Cyber Security for WIMS Cardano**

I am currently studying cyber security with a focus on improving the WIMS Cardano platform. My research includes understanding common security threats, access control, encryption technologies, secure smart contract development, and vulnerability assessment techniques. The goal is to identify ways to make WIMS Cardano more secure by reducing risks, preventing unauthorized access, and strengthening overall system integrity.

## **6. Summary and Conclusion**

Overall, November 2025 has been a productive month. I completed 37 Haskell quizzes, successfully minted tokens, conducted research on Enterprise Filing Systems and Enterprise Information Systems, and analyzed how these systems could improve WIMS Cardano. I am currently expanding my knowledge of cyber security to support the security, trustworthiness, and efficiency of the platform. My progress reflects ongoing growth in software development, blockchain technology, virtual klerking, and organizational systems research.