



Report November 2025

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1. Overview

In November 2025 the main focus was on coding the Haskell Plutus smart contracts, creating documentation for them and stake pool. I managed to be a substitute facilitator for Testers Group while Matimba was writing his exams. I am now involved with the Pretoria group in Stake pool creation, they have showed interest on the program.

2. Stake Pool

2.1 Meetings on Stake Pool

2.1.1 Date: 07 November 2025 at 14:26

The screenshot shows a Google Meet interface. The main window displays a presentation slide titled "6. Cardano Stake Pool budget". The slide content includes a list of items and a table with budget details.

6. Cardano Stake Pool budget

- Total value: Around \$100, \$100 (\$1,000 - \$2,775)
- Realistic Minimum Budget
- For a stake pool, you should budget
- Absolute Minimum: \$250-300/monthly (\$1,000-12,500)
- Recommended: \$300-400/monthly (\$1,000-12,500)

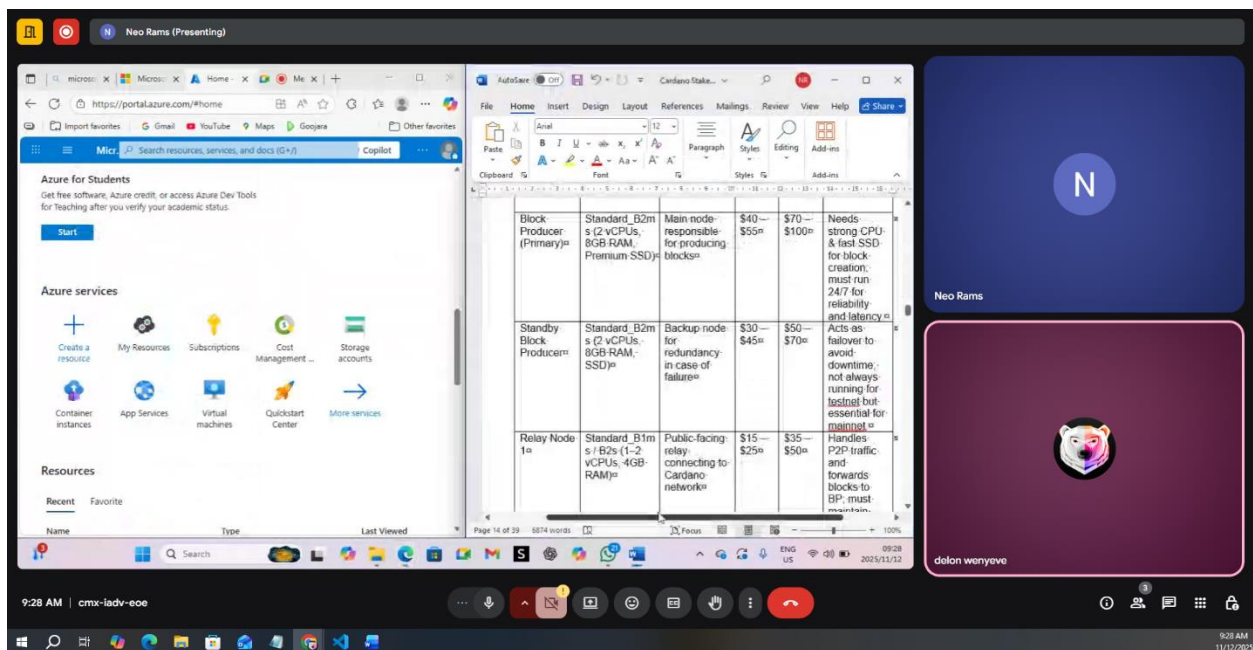
Estimated Monthly Totals

Item	Estimated Range (USD)	Estimated Range (GBP)	Notes
Stake Pool Setup	\$100 - \$150	\$1,000 - \$1,500	For training, development, and testing your operation without real ADA.
Stake Pool (Monthly Minimum)	\$200 - \$300	\$1,000 - \$1,500	Even if you have a small stake pool, you will need to maintain a minimum stake pool.
Stake Pool (Recommended)	\$300 - \$400	\$1,000 - \$1,500	For a stake pool, you will need to maintain a minimum stake pool.

The interface also shows participant avatars for "Neo Rams" and "delon wenyeye". A "Recording" overlay on the right indicates that the video call is being recorded and provides options to stop recording or include captions.

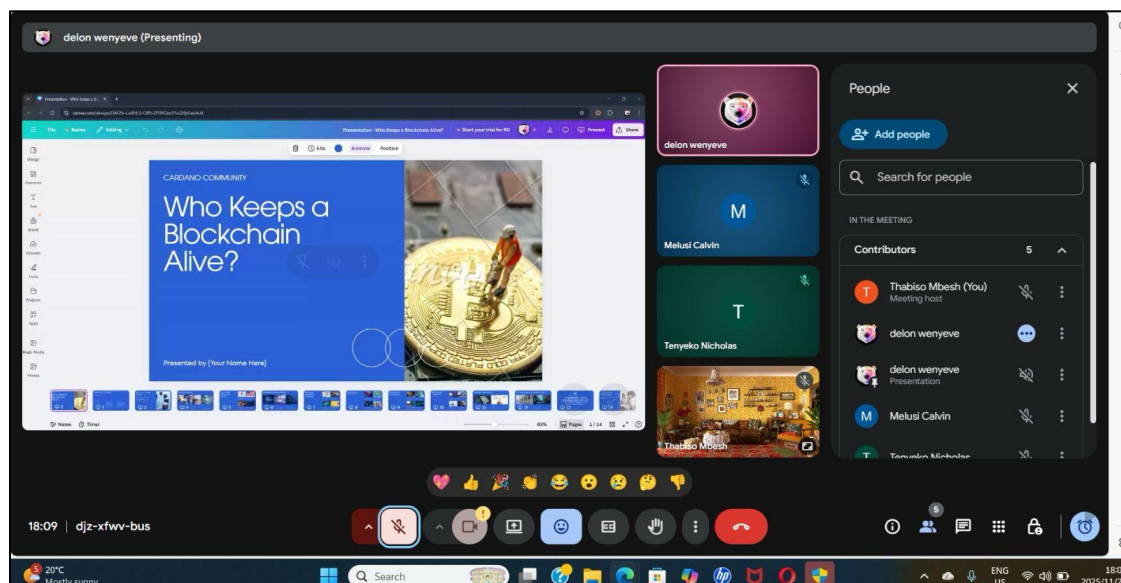
Summary: We were trying to figure out which cloud provider we can use in order to create the stake pool.

2.1.2 Date: 11 November 2025 at 09:30



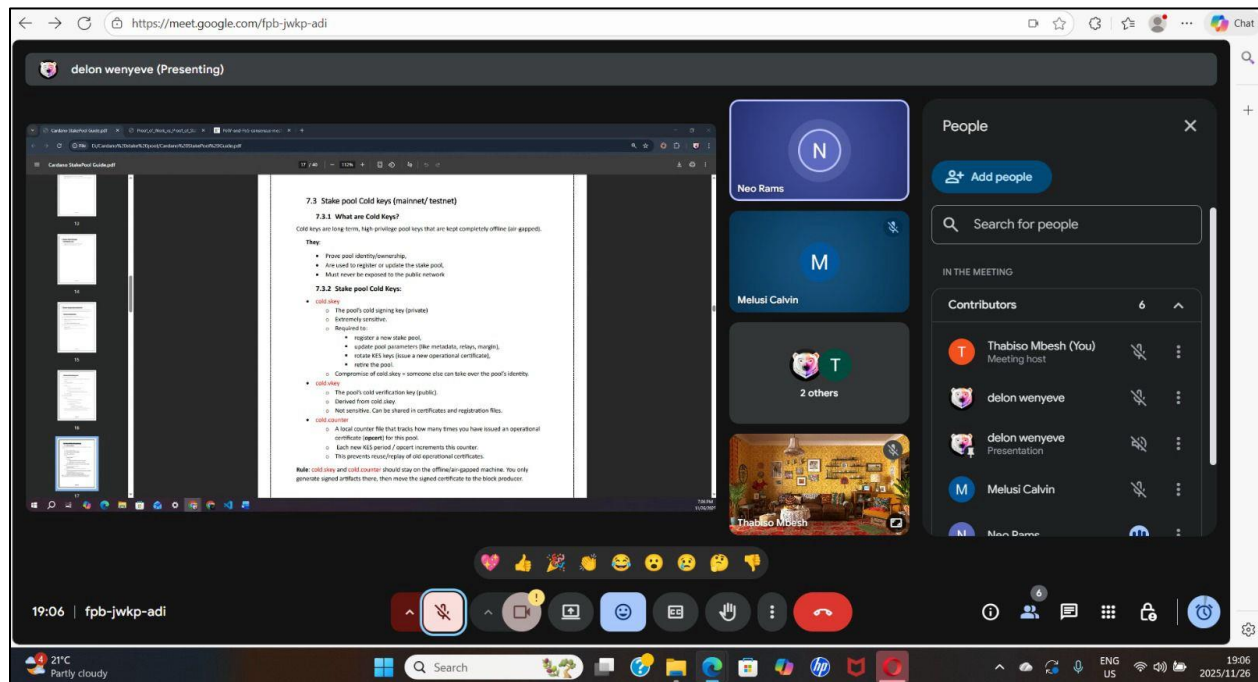
Summary: We were exploring the Microsoft Azure cloud computing free tier in order to create the testnet stake pool but we discovered that the free tier does not support the stake pool requirement. It needed an extra fee for it.

2.1.3 Date: 25 November 2025 at 18:10



Summary: I was introducing what a stake pool is to the Group Pretoria G30 which is Thabiso's group. They are interested in creating one.

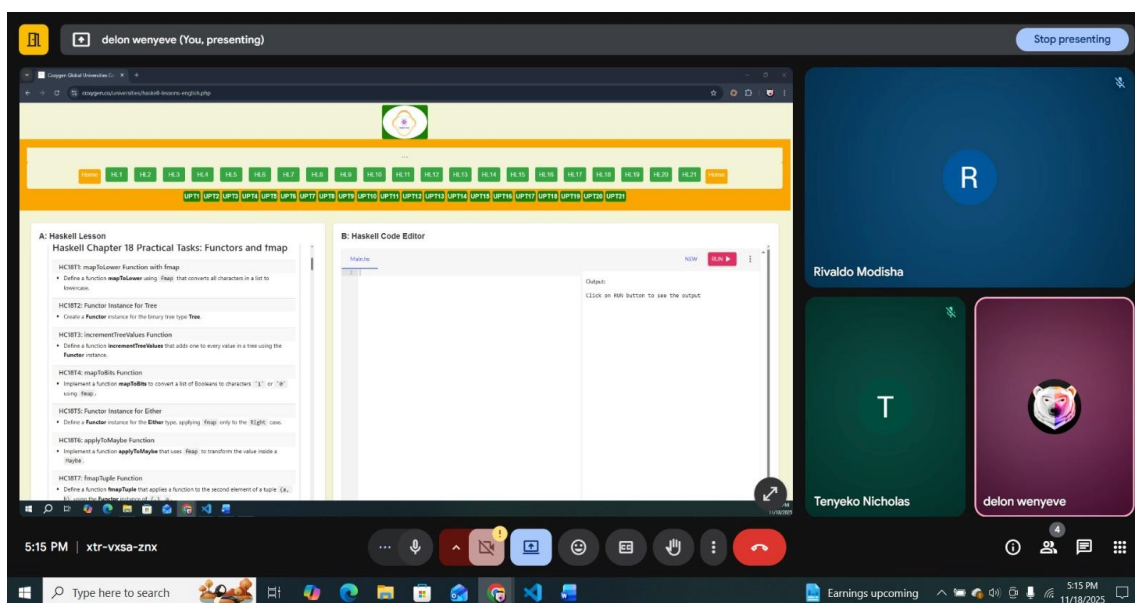
2.1.4 Date: 26 November 2025 at 19:07



Summary: Continuing exploring the requirements of the stake pool with new Group Pretoria G30 which is Thabiso's group and Neo. We went over how we will try every free tier cloud provider.

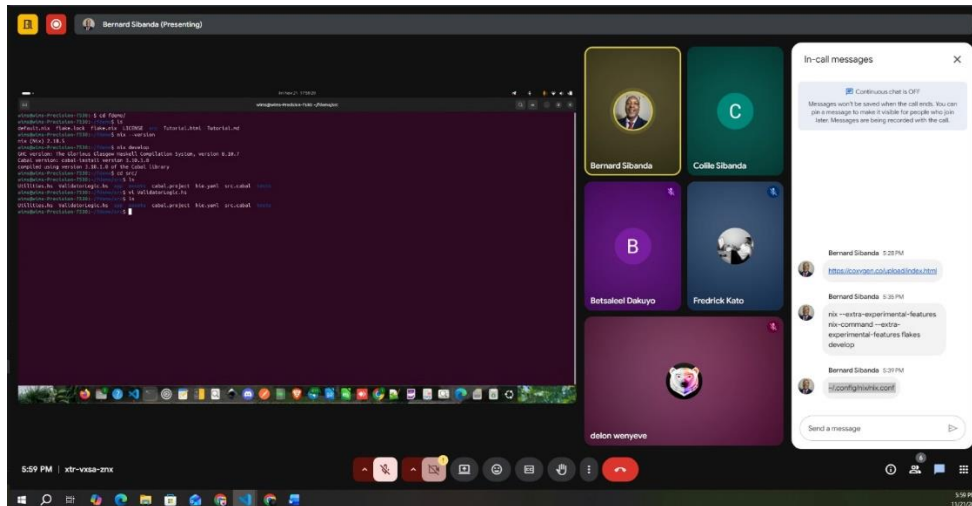
2.2 Substitute Facilitator for Testers Group

2.2.1 Date: 18 November 2025 at 17:15



Summary: We were going over some of the chapters they did not understand like chapter 18 Functors and fmap.

2.2.2 Date: 21 November 2025 at 17:00



Summary: Going through testing with Mr. Benard.

3. Coding Aspect

In the month of November, I have been working on Haskell Plutus smart contracts Atomic Token Swap, Atomic token swap HTLC, sealed bid and sport tickets and Revenue Splitter. With documentation and testing files.

3.1 GitHub repository links

3.1.1 Atomic swap and Atomic swap HTLC

- <https://github.com/delon500/plutus-nix/tree/main/code/wspace/tests>

AtomicSwap.hs	added tutorials	2 weeks ago
AtomicSwapHTLC.hs	added atomic swap htlc and test	3 weeks ago
AtomicSwapHTLCScript.hs	added atomic swap htlc and test	3 weeks ago
AtomicSwapHTLCSpec.hs	added atomic swap htlc and test	3 weeks ago
AtomicSwapScript.hs	added atomicSwap, atomicSwapScript and atomicSwapSpec	3 weeks ago
AtomicSwapSpec.hs	added atomicSwap, atomicSwapScript and atomicSwapSpec	3 weeks ago

- <https://github.com/delon500/plutus-nix/tree/main/code/wspace/lecture>

documentation

Tutorial-AtomicSwap.html	added atomicswap and atomicswaphtlc html tutorial	2 weeks ago
Tutorial-AtomicSwap.md	added tutorials	2 weeks ago
Tutorial-AtomicSwapHTLC.html	added atomicswap and atomicswaphtlc html tutorial	2 weeks ago
Tutorial-AtomicSwapHTLC.md	added tutorials	2 weeks ago

3.1.2 Sealed bid

- <https://github.com/delon500/plutus-nix/tree/feat/sealed-bid/code/wspace/tests>

SealedBid.hs	added SealedBid.hs, SealedBidContract.hs & tutorial html and markdown	last week
SealedBidContract.hs	added SealedBid.hs, SealedBidContract.hs & tutorial html and markdown	last week
SealedBidSpec.hs	added SealedBid.hs, SealedBidContract.hs & tutorial html and markdown	last week

- <https://github.com/delon500/plutus-nix/tree/feat/sealed-bid/code/wspace/lecture>

documentation

Tutorial-SealedBid.html	added SealedBid.hs, SealedBidContract.hs & tutorial html and markdown	last week
Tutorial-SealedBid.md	added SealedBid.hs, SealedBidContract.hs & tutorial html and markdown	last week




3.1.3 Sports tickets and Revenue splitter

- <https://github.com/delon500/plutus-nix/tree/feat/sportstickets-and-revenue-splitter/code/wspace/tests>

Sports tickets

 SportsTickets.hs	added sports tickets and revenue splitter smart contract and document...	22 minutes ago
 SportsTicketsContract.hs	added sports tickets and revenue splitter smart contract and document...	22 minutes ago
 SportsTicketsPolicy.hs	added sports tickets and revenue splitter smart contract and document...	22 minutes ago
 SportsTicketsPolicyPlutus.hs	added sports tickets and revenue splitter smart contract and document...	22 minutes ago
 SportsTicketsPolicySpec.hs	added sports tickets and revenue splitter smart contract and document...	22 minutes ago
 SportsTicketsSpec.hs	added sports tickets and revenue splitter smart contract and document...	22 minutes ago

Revenue splitter

 RevenueSplitter.hs	added sports tickets and revenue splitter smart contract and document...	21 minutes ago
 RevenueSplitterContract.hs	added sports tickets and revenue splitter smart contract and document...	21 minutes ago
 RevenueSplitterSpec.hs	added sports tickets and revenue splitter smart contract and document...	21 minutes ago

- <https://github.com/delon500/plutus-nix/tree/feat/sportstickets-and-revenue-splitter/code/wspace/lecture>

documentation (sports tickets)

 Tutorial-sports-tickets.html	added sports tickets and revenue splitter smart contract and document...	25 minutes ago
 Tutorial-sports-tickets.md	added sports tickets and revenue splitter smart contract and document...	25 minutes ago

4. Challenges

- **Stake pool:** We did not manage to start with the testnet which was one of our main goals in November due to lack of resources.
- **Coding aspect:** There has been a challenge of creating off-chain coding and the lack of completing Haskell Plutus chapters.

5. December plan

For December I am planning to continue with the stack pool with Neo and the new group. We are exploring every free tier cloud resource available specifically to start with the testnet production. With the coding I am continuing creating the on chain, creating the end to end application and pushing Haskell Plutus Coxygen chapters.