**Interview part 1**

**Tell us about yourself.**

Okay so, my name is Lwazi, and im originally from Eastern Cape in East London. I currently live in Cape Town with my family. I moved this side in 2019 after finishing my honours degree in computer science and joined a graduate program at Capitec bank.

For the past 5 years, I’ve been working as a java developer at Capitec Bank and First National Bank.

What attracted me in software development, was software games, like Pac-man and I was interested to know what is happening in the background and how are these games created. During my computer science degree, I then released that there is more into software development. We can create software applications to simplify day to day activities, like creating a banking app where you can pay or transfer money instead of going to a branch or an online shopping app where you can buy groceries online and be delivered to your home.

Moving forward with my career, I would like to learn more, grow in the software development space and I wish to be a technical team lead or a software architect one day. For now, there is a lot that I still need to learn and gain more experience.s

**Behavioural-based interviewing**

1. Tell me about a time when you were faced with a problem that had a number of possible solutions. What was the problem and how did you determine the course of action? What was the outcome?

Answer: Deploying projects that is in progress

* Deploy once everything is done
* Deploy and let the users know not to use the functionality
* Deploy and have a config switch off.

1. When did you take a risk, make a mistake, or fail? How did you respond, and how did you grow?

Answer: Risk – There was a production incident where a bond repayment amount was mapped and deployed incorrectly on the customer documents. The challenge was that we could not replicate the issue in none prod environments because we could not create test data that is identical to the production data. So I had to investigate the issue and was able to replicate it on my local environment. The risk was that we could not test it in non-prod environments and had to deploy the he fix to production.

Mistake – *Poor time estimate for a development task*. Sometimes I would under size a task only to find out that there is more effort needed or sometimes oversize but when developing, the effort needed is less.

So this has taught me to understand the business requirements better and do code analysis first before estimating the development tasks.

*Code reviews*. It’s sometimes difficult when reviewing code when there is a lot file changes. I usually suggest to my team that we create multiple small code reviews instead of creating one big code review requests.

1. Describe a time you took the lead on a project.

Answer: When my technical team leader had to go on leave for 2 weeks, I had to lead the project we were working on. I had to attend meetings and be available for all queries related to the project. It wasn’t easy but I survived.

1. What did you do when you needed to motivate a group of people or promote collaboration on a project?

Answer: Technical demo’s amongst us as developers in our team. These sessions allows us to assist and share knowledge.

1. How have you used data to develop a strategy?

Answer: Update DB script in preprod environment and see how long it took to run before running in production DB. There should be not a big difference between preprod DB and production DB so running the update script in non-prod gave me an estimate of how long it takes to run the script.

**About Companies**

1. Amazon

Amazon is an international online retailer/store that sells different types of products. Sells electronics, clothing, jewelry, furniture, books, toys, and more.

Amazon is also a cloud service provider that sells cloud computing services (EC2, Lamda), DB storage (S3, RDS, Dynamo, Document DB), software applications and other IT resources

* cloud computing services (EC2, Lamda)
* DB storage (S3, RDS, Dynamo, Document DB)
* software applications (Recognition for machine learning)

Types of cloud computing service

* Infrastructure as service - Manage Application, Data, O/S. EC2
* Platform as a service – Manage Application, Data. Lamda, Elastic Beanstalk
* Software as a service – Everything is managed by aws. Recognition for machine learning.

Amazon was founded by Jeff Bezos in 1994 and is headquartered in Seattle. The company has websites, data centers, fulfillment centers, and customer service centers around the world.

1. Entelect

Entelect was founded in 2001 out of the Electrical Engineering school at Wits University in Johannesburg, with the vision for a technology services company which could identify and draw in outstanding talent in software engineering.

Intelect is business that provides technology services to other businesses. It provides services like application softwares, Data and analytics, digital transformation and more. Entelect provide these services to industries like Banking, Insurance, Agriculure, Education and more.

1. **Electrum**

Is a company that provides cloud payments technology as a service. It is well known as a company that helps other companies with their financial transactions using modern, technology-driven solutions. For example helping financial institutions to go live with PayShap on a modern architecture.

**Flexibility**: Cloud-based payments can be used on any device, including contactless credit card purchases and online orders.

**Security**: Cloud-based data is more secure than a physical system.

**Scalability**: Cloud-based systems can scale to meet the needs of businesses.

1. Pay@

Pay@ provides a payment solutions that allows billers to accept payments from their customers.

So Billers like retailers integrates with the Pay@ system to accept process the transactions.

Depending on what the customer selects as a payment method, for example the customer selects debit card, the transaction will be request from the selected bank and if all requested data is correct, the payment will be accepted by the billers.

This provide an easier way of doing payments, transactions a process faster and can be tracked easily.