I was working with Lenskart Private Solutions which is a product-based company. It is the fastest growing eyewear company in India which has both online and offline stores. I was a part of the technical team responsible for developing and maintaining software for offline stores.

The organization consisted of an Android Team, IOS Team, Web Team, Warehouse Team, Backend Java Team (Sales Software – Point Of Sale), Dev-Ops, DB Team, Product Team, Analytics Team, Quality Analyst Team, Technical Support Team and Operations Team. Each technical team was assigned an Architect.

I worked as a Full Stack Software Developer with the Backend Java Team. The team consisted of ten developers, one Engineering Manager, one Architect, and one Technical Lead.

Initially, I started working on bug fixes to get hands on experience about the project and later worked on several projects as a part of a team and on individual projects.

The Software Development Approach followed was Agile.

We had daily stand-up meetings to track the progress which was conducted by a scrum master.

The Sprint cycle repeated for every 14 days.

An annual plan was made by all the executives including the Vice-Presidents.

Road Maps were created for the quarter in which additional tasks were added by the tech team based on the project needs and backlogs from previous road maps and sprints.

The tasks were picked up keeping in mind the amount of effort needed v/s the business impact.

These tasks were getting divided into tech architecture (Stability) and Functional.

Based on the Engineer manpower, percentages was calculated for stability tasks, functional tasks and maintenance tasks (keep track of customer reporting and figure out the bugs in the software). These percentages fluctuated based on the size of each project.

Project Managers used to get the requirement based on the customer and business needs and would collaborate with the technical team to discuss the challenges in implementing the same and to figure out if it is feasible.

In case the requirement was unclear, it was split into smaller milestones. After implementation of each smaller version, the code was deployed to one of the offline stores to understand the software loop holes, business impact and the gap in understanding the system requirements.

Once the project was fully tested, it was deployed onto the production server by the infrastructure team and bug fixes were done on the fly. Depending on the number of bugs, a decision was made to roll back the changes.

**Description of the Projects**

1. Integration of Amazon Simple Storage Service (S3)
2. Number of developers – 1, Duration – 3 weeks
3. I was responsible to integrate S3 with the PHP project.
4. All the file uploads and downloads operation across the project had to be modified. Instead of storing the file data on PHP server, it had to get stored on and retrieved from AWS.

1. Inventory Count Management
2. Number of developers – 3 and was done in 2 phases. Duration – 1 month each
3. Inventory of all the stores had to be done on a monthly schedule.
4. My role was to implement both the frontend and backend design which was designed by the other 2 teammates.
5. In the initial phase, count was done based on barcode and the sales page was blocked accordingly if there was any count mismatch.
6. After the deployment of the 1st phase, it was realized that counting the products based on the barcode was not a good idea due to barcode mismatch issue i.e. a salesman would bill the customer for a barcode that would be different from the one handed over to the customer and this created an issue during inventory cycle.
7. In the second phase, it was decided to count the products based on product id.
8. Each phase lasted for a month before it reached the review stage.
9. User Access Management
10. Number of developers worked – 2
11. I was responsible for implementing the design, presented by the other member involved in the project.
12. This project was done in 2 phases and I was a part of the 2nd phase which lasted for a month.
13. The project was about creating users having specific access based on their roles and creating an admin for each store who would be able to modify the rights granted.
14. The project also involved creating a page which listed all the stores the user has access to. Hence, with one credential, user was able to access multiple stores.
15. Automated Order Gatepass Creation
16. Number of developers – 2. Duration – 1 month.
17. I was responsible for writing a java code to automate the gatepass (pass generated every time an item enters or exists the store) creation process once the product was returned to the store.
18. Gatepass was created using a 3rd party software called Unicom using REST APIs.
19. This made the system more secure and reliable.