



# Clarity Techwork Industrial Visit Tech Titans

## SUMMARY

The Clarity Techwork industrial visit was held on 18th January 2024 from 1 P.M to 6 P.M.

Throughout our visit, we explored the technologies and day-to-day responsibilities of the workforce, acquiring valuable insights and developing skills to handle challenging situations.

At the end of our visit was an enlightening conversation with Yee Soon Tuck, the Chief Technology Officer. Mr. Tuck graciously recounted his personal journey in the tech industry, by showing his interest on programming as an 11 year old, decided to major on mechanical engineering instead but found himself back in programming, the story illustrates a compelling narrative of determination and passion. His story is a compelling testament urging us to grab hold of opportunities and follow our passions, even when faced with challenges.



Clarity Techworks



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# Technologies and Issues Discussed

## Web Application

Firstly, the web application team showed us the tools they used for backend, frontend, and styling. They used Laravel, PHP, and MySQL on the backend, while Vue.js, PRIMEVUE, and javascript were the main frontend tools. They styled the website using PRIMEFLEX, tailwindcss, and CSS. During the visit, they even made a simple web game to demonstrate how different tools work together.

## Web API

Next, the Web API team demonstrated the technologies they used, including Laravel, which is used to create APIs and databases, as well as Postman for testing. They also used Sequel Ace/MySQL to handle the database, and Sourcetree/Git to control the source and track bugs.

## Android Developer

Then, Android developers are responsible for designing, developing, and maintaining applications for devices running the Android operating system. They primarily used Android Studio, Pharse, and Postman as their coding, designing user interfaces, and managing project resources.

## IOS Developer

iOS developers focus on creating applications specifically for Apple's iOS platform, which includes iPhones, iPads, and iPod Touch devices. They work with the Swift programming language and Objective-C to develop iOS apps. Ensuring that their applications meet the required standards for Apple's App Store.

## Quality Assurance

Quality Assurance or known as QA mostly focusing on creating test cases after a new features is introduced. If there are any bug or issues they will create a bug report and then send it to developer team to fix the bugs then they will repeat the process until there are no any issues or bugs. They use selenium software for web application testing and use appium software for mobile application testing.

## UI/UX Design

The UI/UX developers employ dynamic methodologies. They focus on both the user interface (UI) and user experience (UX) aspects, combining design principles with functionality, researching into prevalent UI/UX practices across mobile app and web application. The responsibilities of the UI/UX team making things look good (UI) and making sure it's easy for people to use.

## Reflection

The motivation that we gained is we need to learn a lot of things before joining one company as in work environment is different from the university world. Visiting Clarity Tchoworks company during the first year of university serves as a valuable introduction to the professional world and understanding of the typical work environment in a company, office setups and facilities. These practical insights and industry exposure will be beneficial for our future career field.