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Introduction

In today's life there are a number of Mobile Operating Systems that are trying to reach the top, but only two of them have reach close and are still on top of the other Mobile Operating System. They are IOS and Android. These are the best Mobile Operating System on mobiles today. IOS is a Mobile Operating System that allows all application to work on any one of its devices product such as iPod Touch, iPod, iPhone and iPad. And Android is a Mobile Operating System or Open-source Operating System that use a set of software or software set to fully function a mobile device. Both IOS and Android are very competitive towards each other, because both want to be number one. They are a bit similar but different in many ways. As well show in this investigation.

But as we go in the history of Android, IOS and computers, you will see the different roles each play from the history to the everyday life and business wise.

The History

Android

Android Inc. was found by Andy Rubin but it was a small startup company based in Palo Alto, California, USA that was bought by Google in 2005. Android isn't only a mobile operating system but Rubin led a team at Google that developed a platform for mobile devices that was built and powered by the Linux Kernel version. Their main marketing targets were software partners with easy and flexible operating systems and hardware component, in which they were successful. On the 5th of November 2007, several different companies include Motorola, Intel, HTC, Google, etc. they came together and started the Open Handset Alliance and the goal for developing open standards for Mobiles. A new product was unveiled: a mobile platform built on the Linux Kernel Version 2.6, Android. And the Android software was placed on a HTC Dream mobile phone and since 2008 of October Android has been an open-source software. But under the Apache License, private companies could add on their own applications and extension and sell them without going through the open-source community.

But with that, from the day the Android was released the developer of Android have to be constantly updating the software due to different malwares such as, virus, Trojan, worms etc. The first two updates were nameless but use codes to identify them and they were released September 23th, 2008, this release was for more application like YouTube, Wi-Fi, Media Player, and a few more Google Application to be compatible for an Android mobile phone which was HTC Dream. February 9th of 2009 the other update was released, and this release was for debugging and also adding more features to the mobile phone such as find name of businesses on map, ability to save attachments in messages and support added for marquee in system. 27th of April 2009 an update was released called "Cupcake", this new update had a lot of features that can be used to personalize a mobile phone. Certain features were user photo shown for favorites in contact, video record and playback, widgets- mini applications that have been embedded in different application that can be found on the home screen and it kept up to date, Ability to upload video to YouTube, auto rotation screen. Donut was the next update and was released on September 15th of 2009, this update was for Multi-lingual speech synthesis engine to allow any Android application to speak, a line of text. Then there were Eclair 2.0, Eclair 2.0.1 and Eclair 2.1 and they were released October 26th 2009. Froyo in May 20th 2010. Gingerbread in December 6th 2010. Honeycomb in February 22th 2011. Ice Cream Sandwich in October 18th 2011. Jelly Bean in July 9th 2012. KitKat in October 31st 2013. Lollipop in November 12th 2014. Marshmallow in October 5th 2015. Nougat in August 22nd 2016. Oreo in August 21st 2017 and Android P is now currently in developing stage. All these updates are what make Android what it is today. Over the years Android software has become better and better. From the features in the phone to the design of the mobile phone itself.

IOS

Apple's platform for mobile application and also to ensure the working of Apple Phone is called iOS. This iPhone was Release in summer of 2007, According to Wikipedia, It has been updated over 30 times since it has been released. The Beta Update was the 31st update that occurred when Beta was active, this update was release March 6, 2008. The iOS has been developing different apps for iPhone, iPad, iPod Touch and iPod. The developers use iOS to run an Apple TV but apps are not currently support for that program until now, Because of the update (Beta). On November 2010 was a significance, the first time the same OS ran across all here hardware platform. The update 1.0.2 was initially released on iPod Touch on September 14, 2007. 1.1.1 Was updated, the interface for the calculator application, supported the TV out and provided adjustable volume and louder speakerphone. Later the update 1.1.2 was released on November 12, 2007. This provides the battery charge level indicator and international language & keyboard support. Version 1.1.3 provides more feature then previous updates. It added the mail, maps, stocks, weather and notes applications for iPod touch, enable lyrics support for music and chapter support for movies. And, it increased the SMS storage capacity from 1,000 to 75,000 and gains the new feature on google Maps, the 'Locate Me' can determine the phones approximate location.

The Two other updates that fall after was release on February 26, 2008 and July 15, 2008 respectively. This was for debugging bugs and improve the speed of interface. The other update that follow, was available with the iPhone 3G on July 10th 2008, this update enhances the Operating system, making it able to turn Wi-Fi back on in Airplane Mode and also enhance the language by providing extra keyboard language and support the traditional and simplified Chinese Handwritten recognition. The other update that follows was for fixing of bugs and also to enhance the system performance and that was released on September 9th 2008 buy Apple Inc. this update also provides new OS features such as; change GPRS, 3G and EDGE indicators and turn off camera within restriction page. It also give an update to iPod with new applications features like more information in music list and audiobooks.

Over the years Apple Inc. has proven themselves to be one of the best smart Phone. From developers to genius ideas, and remarkable designs.

Computers

As we all know a computer is an electronic device use to receive and sent out information. And to be instructed to carry out commands that's at its reach. This platform can run a lot of application or programs, multi-application or programs can be open at the same time.

A computer are easier to use than a smartphone because of its size and the time it has release in this world. More people are used to the wider keyboard, the big screen and the storage capacity.

The use of computer in a company has made work much easier to do and much faster to finish. No more papers everywhere but digital papers on your computer or smartphones.

Advantages, disadvantages and similarities

In various categories an analysis was made in the research of Android, iOS and Computers. Computers are just like mobile phone just huge and stationary but with enough space or memory capacity that a mobile phone cannot come close to. The software or applications from google store his endless over Android and iOS.

Android has a huge set of menu to choose from and different Qwerty Keyboard for their customers to use from mean while iOS have the advantage in their interface as it convincingly leading over Android because of its more unique, uniform, stylish and convenient interface. In early 2017, 32% of iOS devices was successful and the other 68% experienced failure due to application compatibility, overheating and drop in connectivity, these models are iPhone 5s, iPhone 6, iPhone 6s and iPhone 6 Plus. Meanwhile android had better luck their applications, as Android was 18% failure in application.

Like a computer, certain application cannot be install like Facebook, Instagram, and Twitter etc. You can access these application on the computer buy using an internet browser. Or downloading a third party software or application like Bluestacks then use that platform. Meanwhile iOS and android don't need a third party to install these application because it was re-engineer by iOS and android to be compatible for both platform.

Facebook, Instagram, Google, Snapchat etc. all can be found in both iOS and android application store. But because these application are/ can be found on android phones or came on the android phone upon purchase. Meanwhile with iOS these have to be download from the application store. Making android said to be more sable system and more serious in terms of the iOS system. Regardless, iOS has proven their superity again, as both android and iOS has their regular and timely updates. The number one place goes to iOS as it offers a safer and more up to date update of its versions, meanwhile android has to be depending on mobile operators, who is testing the new update and they will decide when update will be release. To compare the iOS and the android platform when it comes to battery life, research shown that android has the advantage because of the iPhone battery is built in the phone, so it stay at one size meanwhile the android have a wide range of mobile from in all different sizes. Android batteries can be change and due to the different size of mobile phone the batteries came in different shape and size. The android mobile phone battery is better than iOS mobile battery.

Advantages and disadvantages in the workplace

In the workplace it depends on what task has to be done determine if a smartphone is required or a computer best fit the job. Like making records, routines, stocks, orders, prices, customer's information and transactions etc. A computer is best to obtain all these information, because of its capacity of storage and ease to access by company employees. An iOS and Android mobile phone doesn't have storage space to store company document and a mobile phone should be a personnel phone for one user, meanwhile a computer has many users. A computer also helps in the security as it has different users and password for employees and also connects to the security camera in the company. A computer can multi task, updating records of the company, video recording, sending an email etc. at the same time, making it time consuming. More work done in less time.

The Smartphone can be used to capture photos and videos in the company or on the road for the company for different reasons like, going out on a survey, at a function etc. also very good to use voice record in certain meetings.

Computers and Smartphones (iOS and android) are similar in a couple thing, like sending an email (paper receipts as you can have a digital receipt on your android phone, iOS phone and/ or your computer). And as a computer store your identification such as bank detail, address full name and gender etc. so does the smartphone.

The use of computers and smartphones in the workplace

In this time of age, technology have revolve so much. In the workplace computers and smartphones have shown to be super helpful. Employees can now do work on the go now, as of the office or at home. Due to smartphones and tablets that are portable. Research as shown that employee's smartphones and tablet helps to update employer on situation outside the office and also access the employee portal or intranet. For viewing and read document a smartphone is the primary pick but the tablet is more likely use for access a web meeting, edit documents and/ or analytics (perform processor- intensive).

https://www.cisco.com/c/dam/en_us/solutions/trends/unified_workspace/docs/Expanding_Role_of_Mobility_in_the_Workplace.pdf

But the tablets and smartphones are more useful in a company/ workplace than we see. For example: working outside and have papers to print/ photo copy, instead of going inside and all the way upstairs. A smartphone or a tablet could have taken a picture or scan it. Send it to the company for printing. And that help with time also, because you use less time and didn't leave you post. But yet the work is print and store. Or even at work and been sent on a task, but you don't know where to go. The tablet or/ and smartphones are great with direction, as they have a GPS and can also can download maps. Having a smartphone or a tablet can also let you gain employment ship due to knowledge, and the area that need employees.

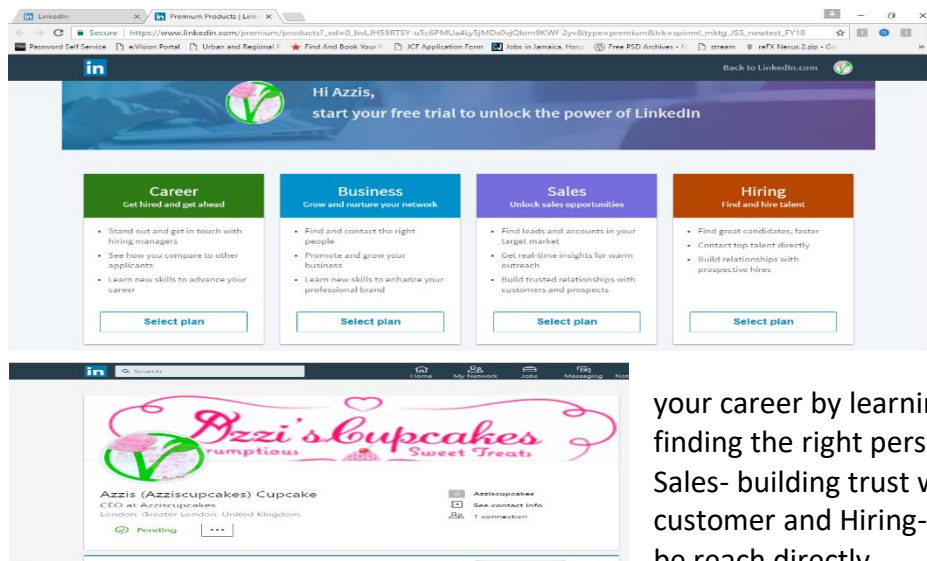
The online application also play a big role in the workplace, as one can apply for a job position on their personnel smartphone or on a tablet once have internet access, from part of the world.

Same as the Online Office Application (Clouds Office Suit), work can be done anywhere around the world, like Office 365 (A Microsoft Office suit online) <https://products.office.com/en/office-online/documents-spreadsheets-presentations-office-online>. This Microsoft Suit can also be access on any smartphone and tablets, but unable to get certain features and formatting set as if the computer that have all features. These Online Office Application helps the company and employees have to work in teams, virtual teamwork.

How Social Media helps in getting employed and how it helps in the Workplace

We are going to look at three social Medias that are helpful in getting employed and very helpful in the workplace. They are as follow: LinkedIn, Twitter and Facebook. Each application have spread worldwide to all kind of people from different culture, religion and Knowledge. I set up an account for all three Social Media, to set up the accounts I had to go through a number of simple task to do. Like first name, last name and email etc. each of these accounts come with this application sheet and after an email was sent to me to verify the accounts.

I have set up a LinkedIn account to show how it helps in the workplace, by advertising products/ stocks that one's have in the company for selling or buying. Also to gain employment, a person can advertise his creativity and skill, a company might be out there watching you and love the work. LinkedIn also allow a person that is seeking employment to search for the area of one's skill set, you can view company pages and send massages.



As you can see on the image, LinkedIn proves young company, entrepreneur and persons seeking employment.

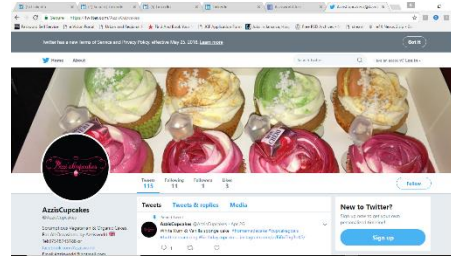
From starting your Career- advancing your career by learning new skills, Business- finding the right persons and contact them, Sales- building trust with prospects and customer and Hiring- top talented contact can be reach directly.

<https://www.linkedin.com/in/azzis-cupcake-10b97b161/> for LinkedIn Account.

Facebook also is helpful to gain employment and help build companies. The advertising that Facebook proves and the amount of persons that are connected to it. Facebook have a very wide range of persons and companies using it. The easy to use application has proven to be

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helpful, as companies can send direct message to different companies or persons that are seeking employment and also the other way around. Facebook features just as twitter, to upload pictures and/ or videos of one's interest or/ and write messages and adding links, that will take you to the main page of a company of product. As Facebook, Twitter is very similar in things that they do/ provides. But Facebook allows young business minded persons to start their business here, on Facebook. Facebook approves you with a Business page if needed. That one can start their business and help promote it by paying Facebook for a boost on business post and advertising to different persons and companies. Both Facebook and Twitter you can also interact with persons all over the world. From video chat to normal texting.



<https://www.facebook.com/Azzisworld>

<https://twitter.com/AzzisCupcakes>

Both Application are very well use in the workplace as it can gain employees. Companies send out job fairs and online application for persons to apply for online. It help in finding out what's treading in personal life and work wise.

The amount and different set of information has been sent to all these three application (LinkedIn, Facebook and Twitter) on a daily basis. Making each application really valuable to any or all company or persons Seeking Employment.

Conclusion

This report has been about computers, android and iOS and its clear to see that android and iOS has been the two dominant smartphones but computers has been very helpful and show that they are still need the workplace and at home. The computer is need for that the smartphone in a company due to the numerous task it can do, from making records of employees to selling stocks. And all this information has to be place in a computer due to the fact that a smartphone cannot storage so much data. The smartphone has proven its self in so many ways such as doing almost everything a computer can do but can't match up to what a computer put on the table for a company.

Biography

Android vs iOS

<http://pittsburgh.issa.org/Archives/Android-vs-iOS-MayUpdate.pdf>

Analysis and Comparison with Android and iPhone Operating System

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Mobile Application Development Pdf

<https://www.cs.cmu.edu/~bam/uicourse/830spring09/BFeiginMobileApplicationDevelopment.pdf>

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<https://arstechnica.com/gadgets/2016/10/building-android-a-40000-word-history-of-googles-mobile-os/>

Android (operating system)

[https://en.wikipedia.org/wiki/Android_\(operating_system\)](https://en.wikipedia.org/wiki/Android_(operating_system))

Android – History

<https://www.android.com/history/>

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<https://www.git-tower.com/blog/history-of-ios/>

A Comprehensive History of iOS, Apple's Mobile Operating System

<https://www.digitaltrends.com/mobile/apple-ios-version-history/>

What is the Difference between a Mobile Computer and a Smartphone?

<https://www.scanco.com/what-is-the-difference-between-a-mobile-computer-and-a-smartphone/>

You're Smartphone vs. Your PC – Adventures in Consumer Technology

<https://medium.com/adventures-in-consumer-technology/smartphones-will-replace-pcs-soon-541b5c8a4f48>

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<https://www.techopedia.com/7/29694/software/what-is-the-difference-between-a-mobile-os-and-a-computer-os>

Smartphones vs. Desktops: Why Is My Phone Slower Than My PC?

<https://www.makeuseof.com/tag/smartphone-desktop-processor-differences/>

The Expanding Role of Mobility in the Workplace – Cisco

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https://www.cisco.com/c/dam/en_us/solutions/trends/unified_workspace/docs/Expanding_Role_of_Mobility_in_the_Workplace.pdf

Online Business Software in the Cloud | Office 365

<https://products.office.com/en/business/teamwork/office-applications>

Office 365 Login | Microsoft Office

<https://www.office.com/>

<https://products.office.com/en/office-online/documents-spreadsheets-presentations-office-online>.