

INDUSTRIAL TALK 1



OVERVIEW OF IT JOBS IN CLARITY TECHWORKS SDN BHD.

Clarity Techworks

- TAKE A FASCINATING VISUAL-DRIVEN TOUR OF THE FUTURE OF TECHNOLOGY WITH US!!

INTRODUCTION

- Join Mrs. Liyana, Mr. Yee, Ms. Syarifah, Mr. Ridwan, Mrs. Izzah and Mr. Saiful as they talk about the overview of ICT jobs in Clarity Techworks Sdn. Bhd. which is a FinTech Solution company specializing in blockchain digital assets solution. Explore the intersection of cybersecurity, artificial intelligence (AI), and the ever-changing field of software development.
- We shall go through the cutting edge of technology in this digital age, where ground-breaking concepts are realized and the course of our future is shaped. So come along as we enter a world where software development, cybersecurity, and AI not only coexist but flourish, leading us into a future where the possibilities are endless.

• QUALITIES EMPLOYER LOOK FOR IN CANDIDATES

- Good qualifications such as degree, diploma and certificates.
- Love what you are doing / Love technology.
- Be a self-learner and always learn new things and improve yourself.
- Have high standards and provide good service or product to the company.
- Must be highly motivated, be a team player and have problem solving skills.
- Have great personal integrity.

• STUDIES/INTERNSHIP VS WORK LIFE

- During studying and internship it focuses more on the theoretical part while in work life is emphasizes more on applying practical knowledge to deal with real-time challenges.
- During studying and internship we get lots of help from our lecturers or course mates to solve our problems but when working we must find solution to our problems by ourselves by applying the knowledge that we have learned into practice.
- Commitment during studying and internship is short term but when we are working our commitment is long term as we are responsible to any decision taken in the company. When we are studying or doing internship we are only asked complete the given task but when we are working we must make certain decision for the company which is a very big responsibility.
- Time management is important for both scenarios but when working we must have a better time management as the responsibility is bigger and at the same time more task will be given to complete within a tight schedule.

• SKILLS NEEDED

- Learn and master programming language.
- Have good communication skills that will enable good team work and produce a good working environment. At the same time able to communicate with non-technical colleague about a certain product or application to make sure they understand it's function.
- Critical thinking skill - Analyse situations, evaluate options and make decision to solve a certain problem quickly.
- Continuous learning as the technology always evolving at a fast pace.
- Attention to every single details to avoid making silly mistakes that could create a huge problem.
- Use your own creativity to produce good quality front-end product or application.
- Search proficiency is a skill where by you are capable to differentiate between important and unimportant information.
- Time management is very important to make sure all the task are done within the given timeline. With good time management skills we will be able to work in tight schedules.

ANDROID DEVELOPER :

JOB SCOPE -

- IMPLEMENTING NEW FEATURES AND UPDATING THE APPLICATION FOR BETTER PERFORMANCES AND PROVIDE MORE EFFICIENT SERVICE. FOR EXAMPLE, NEW FEATURE THAT WERE IMPLEMENTED ARE NFT.
- IMPROVE PROJECT CODES. FOR EXAMPLE, CUSTOM LIBRARIES ARE DEVELOPED TO SIMPLIFY COMPLEX CODING TO A SIMPLER AND COMPACT FORMAT.
- RESOLVE BUG ISSUES.
- PUBLISH THE APPLICATION TO THE GOOGLE PLAY STORE.
- WRITE DOCUMENTATION OF THE PROJECT. THIS ACTIVITY WILL HELP UPCOMING NEWCOMERS TO UNDERSTAND BETTER ABOUT A CERTAIN PROJECT.

SOFTWARE USED -

- ANDROID STUDIO - DEVELOP MOBILE APPLICATION.
- GOOGLE PLAY CONSOLE - PUBLISH APPLICATION TO THE GOOGLE PLAY STORE.
- FIREBASE CONSOLE - MONITOR USER APPLICATION CRASHES AND NOTIFICATIONS.
- BUGFENDER - OVERSEES USER APPLICATION BEHAVIOR.
- PHRASE - TRANSLATE APPLICATION TO ANOTHER LANGUAGE.
- POSTMAN - CHECK API-RELATED INFORMATION.
- BITBUCKET - MANAGE APPLICATION CODES.

UI/UX DESIGNER :

JOB SCOPE -

- UI/UX RESEARCH TO RECEIVE BETTER IDEA ON REQUIREMENT OF A CERTAIN PROJECT OR APPLICATION.
- INFORMATION ARCHITECTURE IS WORKFLOW TO MAKE IT EASIER FOR THE USERS TO NAVIGATE A CERTAIN PRODUCT EASILY.
- WIREFRAMING AND PROTOTYPING. WIREFRAME WILL MAKE SURE OF PLACEHOLDERS AND FOCUS ON THE OVERALL STRUCTURE. A PROTOTYPE WILL MAKE USE OF THE ACTUAL DESIGN. (INFORMATION FROM THEPRODUCTMANAGER.COM)
- TESTING AND ITERATION TO MAKE SURE DESIGN IS PERFECT WITHOUT ANY FLAWS.
- HAND-OFFS TO THE DEVELOPERS AFTER THE PRODUCT IS FINALIZED AND EXPLAIN THE REQUIREMENTS NEEDED.
- CREATE PHRASE KEYS AND PULL TRANSLATIONS ARE NEEDED WHEN THE PRODUCT PRODUCED NEEDS TRANSLATIONS.

SOFTWARE USED -

- FIGMA - IS A DESIGNING TOOL USED TO BUILD MEANINGFUL PRODUCT.
- SLACK - USED FOR COMMUNICATION.
- PHRASE - TRANSLATE APPLICATION TO ANOTHER LANGUAGE.
- POSTMARK - USED WHEN WANT TO CREATE EMAIL TO SEND TO THE USER.

QA TESTING ANALYST :

JOB SCOPE -

- ENSURING A CERTAIN PRODUCT OR SOFTWARE MEET CERTAIN QUALITY STANDARDS BEFORE THEY ARE RELEASED FOR PRODUCTION.
- TEST AND IDENTIFY ANY ISSUES OR BUGS IN THE PRODUCT. MUST MAKE SURE APPLICATION IS FREE FROM ANY BUGS OR PROBLEMS.
- LAST LINE OF DEFENCE FOR A CERTAIN PRODUCT OR APPLICATION TO BE FREE FROM ANY MAJOR BUGS SO THE USERS WILL HAVE GREAT EXPERIENCE WHEN USING THE APPLICATION OR PRODUCT.
- RUN TEST TO MAKE SURE THE APPLICATION IS FREE FROM ANY PROBLEMS. AFTER RUNNING THE TEST, BUG REPORTING IS CREATED IS THERE IS ANY ISSUES.
- FINALLY, DOCUMENTATION IS DONE TO HELP TRACKING TESTING PROGRESS AND PROVIDES REFERENCE FOR FUTURE USE.

SOFTWARE USED - (INFORMATION FROM BUILTLIN.COM)

- KOBITON - ALLOWS TESTERS TO CARRY OUT PARALLEL TESTING.
- TESTRAIL - THIS SOFTWARE ALLOWS TO ENTER TEST CASES, ORGANISE TEST SUITES, EXECUTE TEST RUN AND TRACK THE RESULTS.
- TESTPAD - HOUSES ALL TEST RUNS DETAILS AND RESULTS.

WEB/API DEVELOPER :

JOB SCOPE -

- PRODUCE API FOR INTERNAL AND EXTERNAL USE. API IS APPLICATION PROGRAMMING INTERFACE THAT ALLOWS COMPUTER PROGRAMS TO COMMUNICATE WITH EACH OTHER.
- TROUBLESHOOT AND PROVIDE SOLUTION AT BACK-END.
- CREATE AND MANAGE COMPANY'S WEB APPLICATIONS.

SOFTWARE USED -

- VS CODE - USED TO WRITE CODE.
- POSTMAN - USED TO TEST THE API WHETHER IT IS WORKING OR NOT.
- SOURCE TREE - MANAGE BRANCHES THAT IS CREATED TO SWITCH OR EDIT NEW FEATURES INTO AN EXISTING CODE.
- JIRA - MANAGE AND DISTRIBUTE TASK.

• ADVICE

- BUILD A STRONG FOUNDATION. LEARN AND MASTER THE BASIC PRINCIPLES.
- LEARN FROM SOMEONE WHO IS SMARTER THAN YOU SO THAT YOU CAN LEARN MORE NEW STUFF AND AT THE SAME TIME CHALLENGE YOURSELF.
- MAKE CONNECTIONS WITH PEOPLE AROUND YOU. THIS WILL BE BENEFICIAL ESPECIALLY WHEN YOU ARE STARTING YOUR WORKLIFE BECAUSE BY HAVING LOTS OF CONNECTIONS WE CAN REFER TO A LOT OF PEOPLE TO HELP US SOLVE A CERTAIN PROBLEM THAT WE MIGHT FACE IN THE FUTURE.
- START DEVELOPING SOFTWARE AND PUBLISH IN GITHUB. BY DOING THIS WE WILL BE ABLE TO LEARN LOTS OF NEW STUFF AND AT THE SAME CAN INTRODUCE YOURSELF TO YOUR FUTURE EMPLOYERS ABOUT THE PROJECTS THAT YOU HAVE CONTRIBUTED IN.
- BE PERSISTENT. ALWAYS PRACTISE AND LEARN FROM YOUR MISTAKE SO THAT YOU ARE ABLE TO IMPROVE YOURSELF TO THE NEXT LEVEL.
- JOIN IN WORKSHOPS AND OBTAIN PROFESSIONAL CERTIFICATE WHICH WILL ENABLE YOU TO LAND IN A GOOD JOB POSITION.

REFLECTION

- The aim is to empower students to get a better preparation for job application by developing traits, skills, qualifications and knowledge align with the company preferences. Not only those, student also get to gain knowledge about a few roles exist in IT job including their task and their workload in a detailed explanation.
- Moving forward, it is beneficial to encourage students to reflect on the knowledge gained from the talk, and consider how they can maximize opportunities from these insight for their career preparation.

SUMMARY

- IT PRESENTS THOROUGH INSIGHTS INTO THE ATTRIBUTES THAT COMPANIES VALUE IN APPLICANTS FOR A RANGE OF IT POSITIONS, PLACING PARTICULAR EMPHASIS ON CREDENTIALS, AN ENTHUSIASM OF THE WORK, ONGOING EDUCATION, OPERATE, COLLABORATION, AND MORAL CHARACTER.
- EVERY WORK SCOPE—WHETHER FOR A WEB/API DEVELOPER, QA TESTING ANALYST, ANDROID DEVELOPER, OR UI/UX DESIGNER—IS DESCRIBED WITH SPECIFIC ROLES AND THE SOFTWARE TOOLS THAT GO ALONG WITH THEM. AN ANDROID DEVELOPER, FOR EXAMPLE, IS IN CHARGE OF ADDING NEW FEATURES, ENHANCING PROJECT CODES, FIXING ISSUES, AND MAKING USE OF RESOURCES LIKE ANDROID STUDIO AND GOOGLE PLAY CONSOLE. A UI/UX DESIGNER UTILISES TOOLS LIKE FIGMA AND SLACK AND EMPHASISES ON INFORMATION ARCHITECTURE, WIREFRAMING, RESEARCH, AND PROTOTYPING. USING RESOURCES LIKE TESTRAIL AND KOBITON, THE QA TESTING ANALYST GUARANTEES THE QUALITY OF THE PRODUCT. USING PROGRAMMES LIKE JIRA AND VISUAL STUDIO CODE, THE WEB/API DEVELOPER MANAGES WEB APPLICATIONS, DEVELOPS APIS, AND FIXES BACK-END PROBLEMS.

- THE NECESSARY SKILLS ARE OUTLINED, INCLUDING THE ABILITY TO PROGRAMME, COMMUNICATE EFFECTIVELY, THINK CRITICALLY, LEARN CONTINUOUSLY, PAY CLOSE ATTENTION TO DETAIL, BE CREATIVE, BE PROFICIENT IN EXPLORATIONS, AND MANAGE TIME WELL.
- ADDITIONALLY, IT HIGHLIGHTS THE DIFFERENCES BETWEEN STUDYING/INTERNSHIP AND WORKING LIFE, STRESSING THE TRANSITION FROM THEORETICAL TO APPLIED KNOWLEDGE, GREATER INDEPENDENCE IN PROBLEM-SOLVING, SUSTAINED DEDICATION, AND INCREASED RESPONSIBILITY IN THE WORKPLACE.
- IN ADDITION TO HIGHLIGHTING THE SIGNIFICANCE OF NETWORKING, BUILDING A STRONG FOUNDATION, LEARNING FROM MENTORS, CONTRIBUTING TO OPEN-SOURCE PROJECTS ON GITHUB, PERSISTENCE, AND EARNING PROFESSIONAL CERTIFICATES THROUGH WORKSHOPS, THE ADVICE SECTION OFFERS INSIGHTFUL GUIDANCE FOR CAREER DEVELOPMENT. WHEN TAKEN AS A WHOLE, THESE SUGGESTIONS PROVIDE PEOPLE WITH AN IN-DEPTH GUIDE FOR ASPIRING PROFESSIONALS IN THE RAPIDLY EVOLVING TECHNOLOGY INDUSTRY.



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