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INDUSTRIAL EXPOSURE (IDC30BT)

INTRODUCTION

I have completed my work integrated learning and training experience at Mobile Application Laboratory (MLAB) Company, mainly located in Limpopo, Polokwane, at 15 Biccard Street. My duties were based on web and mobile development using react JS and react Native frameworks, and the training was for a period of 6(six) months.

I applied the knowledge that I have, from my programming modules, DSO17AT, DSO17BT, TPG111T, TPG201T, and the project module(DSO34BT), I got the chance to program a real mobile application that is going to be used by many people, and I have used my skills that I obtained through out my tertiary life. The knowledge and skills that I had of programming was increased because I was learning new things everyday as I was developing this application. I followed the process oriented approach while developing a mobile application.

Though the process was time consuming, it is easy to refer back to the process and rectify the application if any errors are reported [13, 14, 15, and 17]. A good design process on-boards the user during the first installation and allows them to personalize their experience, thereby forcing some investment and a more fitting experience on future visits.

I accumulated input and information from the users through surveys and other designates of research effort developing a mobile app. In other words market orientation is very paramount. This process would avail developers to build applications that would integrate value to the users and will withal eschew rredundant applications. I possess adequate training and enough practice before beginning to develop application.

ORGANISATION NAME: MLAB LIMPOPO CODE TRIBE

LOCATION: 16 BICARD STREET,

 POLOKWANE CENTRAL,

 0700.

➤ About MLAB

mLab is a tech-centered business working alongside partners to build a vibrant, robust innovation ecosystem. We do this by identifying and nurturing the tech-talent among our youth, supporting budding tech-entrepreneurs and their fledgling businesses, and creating tech that brings about change and improves the lives of all South Africans. We also run a number of pan-African programs to broaden the reach and impact of our participants and stakeholders alike.

 mLab places great importance on driving social and economic impact within the ICT sector. The organization has a strong focus on empowering youth and driving inclusive innovation within the digital economy. It does this by providing support to its programs participants in order to de-risk them for relevant industry opportunities. These programs include; Skills Development, Enterprise Development and Technology Development.

At mLab we offer a range of different programs to support new skills development, solutions development and enterprise development.

➤ CodeTribe

mLab runs the CodeTribe Academy which aims to drive inclusive digital innovation in South Africa. The coding program provides training and work experience to talented youth in the townships to develop – Android, iOS and Web solutions. Participants are also up-skilled in cloud technologies, scrum agile project management and other soft skills to drive employment and self-employment. With over 500 developers trained and 48% being females, the program assists graduates pursue employment and self-employment careers in ICT.

➢Knowledge and skills

As CodeTribers we got introduce deeply into to various programing languages, programming tools covering for both individual and group working environment and most impotently how to behave and work with the fellow employees to maintain a healthy and friendly working environment

- ## Tools

  GitHub - this platform we used to host and publish our web application tasks and helped us maintain our profile. Visual studio code, Rider, Atom – IDE application that we used to develop the tasks and applications

- ## Framework

  React redox
  Expo
  React native

- ## Programing languages

  JavaScript

- ## Other

  HTML5
  CSS
  Figma
  Expo CLI

➢Role

Full stack developer working on cross-platform applications that are compatible with multiple mobile operating systems. ... Hybrid mobile app development and building web application. Working strictly on the tools and techniques mentioned on the Knowledge and skills.

➢Product developed

EduSharp – Basic education system that will assist unprivileged and unresourceful learners **(Group project)**

SunStar – Hotel booking system that will assist the society to find relevant and affordable rooms and book and manage they staying period on mobile **(Individual project)**

➢Conclusion

Working at MLAB CODE TRIBE LIMPOPO was a great experience since I was able to interact with other people in an organizational environment, which taught me a lot about working with team and brainstorming as a team to produse a solid product, and being able to work under pressure.