I.T Work

Cryptocurrency Mining: <https://www.youtube.com/watch?v=-z4qbkQ3cK8>

The I.T professional (Malachi Salcido, CEO SALCIDO ENTERPRISES) has built and engineered a server dedicated to mining bitcoin using ASIC (Application Specific Integrated Circuits) processors. Salcido has created a dedicated server warehouse that mines roughly 7 bitcoins a day, which at the time of writing, equates to around $77,000 AUD.

Salcido's mining operation uses specific processors that are designed specifically to mine code as its sole purpose and process. The process of data mining is outlined below in \*I.T TECHNOLOGIES\*

Salcido's data mining is practically autonomous, in the sense that he doesn't have to do any actual computing once the server has been set up. Salcido spends most of his time and earnings investing in expanding his Bitcoin mine. Salcido must expand to survive and compete against the rising number of miners.

The biggest expenses in Data Mining is in both the equipment as well as the power computers generate. Salcido's facility generates 2 megawatts of electricity per month and the energy consumption is a major factor into why he built the facility in washington next to many hydro dams to ease electrical costs. This means that salcido most likely interacts with many energy providers to power his facility.

Salcido would also likely interact with many technicians he employees to maintain and look after his equipment and facilities. Something as small as a faulty fan could start a fire given how much heat all the processors would generate.

Salcido's most challenging aspect is the volatile nature of bitcoins price. At the time of recording one bitcoin equated to roughly $10,000 USD but at the time of writing this, is worth just under $7,000 USD, meaning his profits have decreased and will continuously fluctuate.Although Salcido can keep his bitcoins until the price rises and sell them at a higher price, his business can still very easily turn a less profitable month from the last.

A DAY IN THE LIFE OF AI RESEARCHER AT FACEBOOK (as AI RESIDENT): <https://www.youtube.com/watch?v=3JP_RVq3Ngk>

Working at Facebook as an AI Researcher, youtuber, ‘Oleksii Sidorov’ shows viewers what it's like to work at facebook. Working at a big multi billion dollar company as you can see in the video, comes with it lots and lots of benefits. Employees help themselves to free food, lots of facilities to use like the gym and different office spaces as well as transport systems like the bus shuttle and bikes etc. Facebook like other massive multi billion companies have amazing resources and facilities for employees to utilise. Big companies are packed full of employee benefits and Sidorov is seen in the video using those benefits.

At the end of the video however, he does outline that working at facebook means the work life balance is not great however; claiming that some days all he does is look at a screen for the whole duration. The benefits that big tech companies offer is second to none, however facebook specifically is known for having a poor work-life balance. That being said, working for a big multi billionaire company would obviously come with a lot of hard work and dedication to maintain the position in question. Outside the food breaks that Sidorov has, he spent many hours working and researching AI, as well as conducted meetings. Sidorov commenced his actual work at 8:00AM and did not leave the office until 7:00PM. 11 hour work days are quite long in comparison to the usual 9 to 5, eight hour work days.

Working in a big office space and also living in the residency Facebook has provided means Sidorov is surrounded by like minded and intelligent people. He’s seen in meetings and has meals with other colleagues who are his friends. This allows Sidorov to interact with a plethora of professionals and in turn helps him network and gain/learn new skills.

The most challenging aspect of Sidorov’s position, as he claims himself are the long working hours at Facebook. He declares that he often spends the whole day there looking at a screen with big workloads. However, Facebook’s facility is seemingly jam-packed with plenty of resources and facilities to ease the time Sidorov spends there.