skills

Hi there, my name is Chidi Orji and I'm a python engineer. My top 3 skills

Skill one: Abstraction

All engineering depends on abstraction, which is the ability to look at a group of things and being able to see how and where they are similar

Its being able to create order out of chaos. Abstraction is one of the foundational concepts of the python language. Concepts such as objects, classes, inheritance are all based on the concept of abstraction.

You may say its being able to see the big picture.

Skill Two: Isolation and decomposition

Every engineering discipline relies on isolation and decomposition, which means being able to see a problem in terms of its smallest individual unit. Its akin to splitting the atom inside a particle accelerator. Being able to isolate and decompose a python problem leads to code that is easy to test and can be replicated across time and space.

Virtual environments, dependency management, python libraries, frameworks and such likes are all hinged on the concepts of isolation and decomposition.

You may say its being able to zoom in to the smallest pixel.

Skill Three: Code appreciation and learning

To appreciate code means having an endearing awareness that the coding process is not a mindless exercise of stringing various commands together. It is being able to consciously strive to create beautiful python code. Code appreciation leads to creating pythonic python code i.e code that is well formatted, well documented and easy to maintain.

Code appreciation also involves striving for continuous improvement. This is where learning comes into play. The engineer must be willing and able to learn new things and embrace new ideas

The python library itself is a great example of well appreciated code. The various releases of python are great examples of active learning.

In sum, my skills are being able to see the big picture, being able to zoom in to the smallest pixel, and being able to appreciate the beauty of the tools and process and striving to create more beautiful code.

Thank you