I have a complete experience for PCB prototyping. From creating libraries to the schematic entry. As well as, creating layouts, part selection, contacting the manufacturer, and finally hand solder the board. I can independently handle a low speed PCB design project, and I am learning high speed PCB design as well.

Aside from hardware expertise, I can do microcontroller programming as well. I have extensive experience with sensors and data acquisition, able to achieve maximum readout speed by programming the hardware on register level and utilizing direct memory access.

Finally, I can do desktop program development as well. I am good with Java, python. I can have developed GUI in pair with the embedded systems I developed.