

Display expertise in niche areas without having done it before

Display expertise in niche areas without having done it before, become expert on any topic in a few hours and remove complexity of coding are all about teaching you about adaptability and how I personally deal with new projects that I have no clue about.

I know this might sound impossible, but bear with me. I promise you, it's not only achievable, but a skill you can master.

You see, when you're starting in a new area of expertise, it's common to feel as though you're in over your head. You might be thinking, "I've never done this before. How can I convince someone that I'm capable?" The key lies in understanding that expertise isn't only about having done a specific job before, it's about the transferable skills you've developed, the knowledge you've acquired, and the attitude you bring to problem-solving.

First, let's talk about transferable skills. These are skills that can be applied to a wide range of tasks and industries. For example, if you have experience in project management, you've developed skills in coordination, time management, and leadership, all of which are valuable in nearly any tech project. If you've done web development, then you've likely acquired a keen understanding of user experience and interface design, skills that are also applicable to software development, game design, and more. The key is identifying these transferable skills in your previous work and articulating how they apply to the new area you're exploring.

Consider the way you approach problems. Clients want to know that you can think critically, creatively, and practically. Show them that you're able to break down complex problems into manageable parts, that you're able to come up with innovative solutions, and that you're able to make decisions based on practical constraints like time and resources.

Displaying expertise in a new area isn't about pretending to have experience you don't have, it's about showing potential clients that you have the skills, knowledge, and mindset to excel in their projects. This process takes time and dedication, but it's an investment in your career that will pay off in the long run.

Knowing that you have transferable skills and finding new ways to approach problems should give you confidence that it's possible to do.

Let me share with you a scenario that illustrates transferable skills, finding new ways to approach problems and processes that come into play when you're faced with a new or unfamiliar task. Let's say a client approaches you with a unique request: they want to give a chatbot, like GPT, the ability to read a document and answer questions about it. This might be something you've never done before. So, what do you do?

I would consider doing following

1. Identify niche
 - a. GPT new tool created by OpenAI
2. RRR (Research, research and research)
 - a. Can GPT take an entire document of fifty pages? Doing quick google search nope it can't maybe you even used the tool and are familiar with token limit
 - b. What can help us get around that problem? Another google search langchain chatgpt document reading
 - c. Medium article -> suggesting langchain tool for creating document embeddings
3. Summarize research
 - a. Is it possible to be done? Yes
 - b. Do we require a custom built solution? No
 - c. Can we keep minimal cost for a client? Yes
 - d. What are we gonna implement? Langchain embeddings
 - e. How are we gonna implement it? There is medium article tutorial
 - f. How fast can we implement it? Example is straightforward with ten lines of code
4. Client feedback
 - a. What other transferable skills can I incorporate into displaying expertise? Look at the following
 - b. In this step I report exactly back what I found out and tell client we are gonna use open source tool langchain it will allow us to embed document text completely privately and securely on your computer without having to upload anything online in case you have sensitive documents we can do this within a day or two and cost would be few hundred dollars there is also an option to add GUI Interface and make application usable on any desktop with simple installation

What are the most important parts about this?

Knowing key points to google and having a mindset of it can be done.

First thing I get to is what would be required to complete this project? Can I give GPT the entire document and insert a prompt at the end? If not, what would be required for him to be able to give me answers about the entire document while I ask him any question. Essentially breaking down it into smaller pieces step by step, doing research on steps I've created and seeing the accuracy of them. (There is also entire module on how to break down complex problems into manageable smaller pieces)

Remember, even if a client comes with an unrealistic goal and budget, steer into multiple solutions and ideas of how it can be done. Client come to you for expertise if you don't have it, find a way and present it to the client. I never leave a client without a solution or saying it cannot be done, only acceptable rejection is I don't have time because I have so much work to do.

As you get better as a developer your research accuracy will increase for certain tasks, despite your accuracy the most important part is knowing there is a solution for it even with clients limited budget.