



Task 4: Effective PR Review using Role Prompting

In this task, we will practice **role prompting** — an AI technique where you direct the model to adopt a specific **expert persona**.



Theory

AI Technique: Role Prompting

Role prompting is an AI technique that directs a model to adopt a **specific persona, character, or expert perspective** when generating a response or performing a task.

By assigning the model a particular role — such as a **seasoned security expert**, an experienced **senior software developer**, a meticulous **technical writer**, or even a specific **fictional character** — we can elicit responses that are more **specialized, contextually relevant**, and aligned with the **nuances of that chosen role**.



How it Works

When a role is assigned, the AI leverages its vast training data to simulate the **knowledge, language style, and reasoning patterns** associated with that role.

For instance, if prompted to act as a "**cybersecurity analyst**", the model will prioritize:

- Security vulnerabilities
- Threat assessment
- Mitigation strategies

 *This doesn't mean the AI becomes that expert — it filters and focuses its output through the lens of the designated persona.*

The prompt serves as a strong contextual anchor, guiding the AI's generation to stay consistent with that role's typical concerns, priorities, and tone.

Example: Human Resources Scenario

Imagine you have a company-wide communication draft about a new **remote work policy**. Using role prompting, you could ask the AI to review it from multiple angles:

As an HR Director:

- Evaluate clarity, compliance, and company culture impact
- Ensure the tone is authoritative yet supportive
- Check clarity on employee vs. manager responsibilities

As an Employee Engagement Specialist:

- Assess morale and work-life balance implications
- Spot gaps regarding team cohesion or isolation
- Promote empathetic, supportive language

As a Legal Compliance Officer (within HR):

- Verify alignment with labor laws and regulations
- Detect legal ambiguities or omissions
- Ensure legal clarity and precision in language

This technique is **especially useful** when:

- Domain expertise is required for nuanced answers
 - A multi-perspective analysis ensures thoroughness
-

Task

You've submitted code for review but received **superficial feedback**. Now, you want **AI to provide a deeper analysis** from different expert perspectives.

Your task is to **craft a prompt** using the following instructions:

◆ **Choose a code sample:**

Select one of the provided implementations of the process UserData function:

- [processUserData.java](#)
 - [processUserData.js](#)
 - [processUserData.py](#)
 - [processUserData.cs](#)
 - [processUserData.go](#)
-

◆ **Define Expert Roles and Analysis Focus**

Your prompt must instruct the AI to adopt **each of the following three expert personas sequentially**:

1.  **Experienced Developer**
2.  **Security Engineer**
3.  **Performance Specialist**

Each persona should focus on areas relevant to their role.

◆ **Create the Prompt**

The prompt must clearly instruct the AI to:

- Take the provided **code snippet** as input
- Analyze it from each of the **three expert perspectives** listed above

- Provide **specific, actionable recommendations** for each perspective — not just generic statements
-

Requirements

- The analysis in your result should:
 - Provide **distinct and relevant feedback** for each of the three roles
 - Cover the **specified focus areas** for each role
 - Offer **actionable and specific recommendations**, not just generic statements