

# Advanced Prompting Techniques

## Role Prompting

Assign specific roles to focus responses and frame the AI's perspective.

```
"You are a senior DevOps engineer. Review this CI/CD pipeline configuration for potential bottlenecks..."
```

## System Messages

Set high-level instructions for the model's behavior that persist across conversational turns.

- Persist across multiple turns
- Set expertise level & persona
- Define output structure or format

## Best Practices

- **Be Specific:** Use detailed context and instructions to avoid ambiguity.
- **Use Examples:** Few-shot prompting guides the model's output style.
- **Structure:** Use clear sections, headings, or delimiters like XML tags.
- **Iterate:** Refine prompts based on outputs to improve performance.
- **Chain Prompts:** Break down complex tasks into a sequence of simpler prompts.

