

SESSION 1: PROMPT FILES AND CONFIGURATION

Create Your First Prompt Files for Spring Migration

90 minutes

From Individual Techniques to Organized Modes

- You already know the 4 core techniques:
 - Chain of Thought - Forces reasoning
 - ReAct - Iterative problem-solving
 - Tree of Thoughts - Explores alternatives
 - Structured Prompts - Consistent output
- **The Problem:**
 - How do you ORGANIZE them?
 - How do you make them REUSABLE?

The 5 Prompt Modes Quick Overview

- Mode 1: Constitution - Project rules everywhere
 - *Example: javax → jakarta rules*
- Mode 2: Specification - WHAT to build in THIS file
 - *Example: Migrate UserController specifics*
- Mode 3: Planning - HOW to execute step-by-step

Spring Migration - Before & After

- **Bad Prompt: "Migrate this controller to Spring 3"**
 - Result: Generic changes, might miss patterns
- **Better: Prompt Files Approach**
 - Constitution file (reusable): javax → jakarta rules
 - Specification file (per controller): UserController details
- **Result: Systematic, reusable, documented**

Time Investment vs Payoff

- Manual coding: 45 min every time
- With Prompt Files: 30 min first time
- Second file: 5 min (reuse Constitution)
- Third+ files: 5 min each
- **Compound effect:**
 - After 5 migrations: 3+ hours saved

Today's Hands-On Plan (60 minutes)

- 1. Setup Repository (5 min)
 - Verify spring-migration-demo ready
- 2. Create Constitution File (15 min)
 - Spring 2→3 migration rules
- 3. Create Specification File (15 min)
 - UserController migration details
- 4. Test with AI (20 min)