

Today's Demo

1. **Live Example:** Work Hours Tracker
2. **AI Collaboration:** Natural language to working code
3. **Practical Insights:** Real development workflow
4. **Open Discussion:** Experiences and learnings

The Challenge

Build a work hours tracking app with:

- Weekly view with navigation
- Cloud storage
- Finnish calendar support
- Overtime calculations

From idea to production in one session!

Where AI Shines: Technical Setup

1. Project Scaffolding

- "Set up a Vite React project"
- "Add Tailwind for styling"
- "Configure Firebase storage"

2. Best Practices

- Generated with types
- Modern component patterns
- Security by default

Where AI Shines: Problem Solving

1. Complex Logic Made Simple

- Finnish date handling
- Overtime calculations
- State management

2. Real-time Debugging

- "Fix the infinite loop"
- "Optimize performance"
- "Add proper types"

Live Demo Highlights

1. Natural Language Input

"Create a weekly view that shows work hours per day"

2. AI Understanding

"Add overtime calculation based on 7.5h workday"

3. Quick Iterations

"Now exclude empty days from the calculation"

Practical Workflow Tips

1. Clear Requirements

- Be specific
- Provide context
- Show examples

2. Iterative Development

- Start with core features
- Add complexity gradually
- Test each iteration

Best Practices

1. Code Review

- Understand the generated code
- Check security implications
- Verify edge cases

2. AI Collaboration

- Guide with clear prompts
- Verify assumptions
- Learn from responses

Key Takeaways

1. AI as a Tool

- Accelerates development
- Requires clear direction
- Works best iteratively

2. Real Benefits

- Faster prototyping
- Better code structure
- Learning opportunities

Q&A

Thank you!

Try it yourself:

- Demo: `work-hours-tracker-pi.vercel.app`
- Code: `github.com/jukkamiettinen/work-hours-tracker`
- Tool: `cursor.sh`