

# VIBE CODING

*The 5-Minute Guide to  
AI-Powered Software Development*

---

What every developer needs to know about building software with AI agents—whether you're writing your first line of code or your millionth.

**Josh Cooper**

Software Architect | 15 Years in Enterprise Systems

*FREE PREVIEW — From the upcoming book  
Vibe Coding: The Architect's Guide to AI-Powered Software Development*

# The Shift Nobody Saw Coming

---

I've been building software for fifteen years. Enterprise systems, cloud infrastructure, APIs serving millions of requests. And I'll tell you honestly: what's happening right now with AI is the biggest shift I've seen in my entire career.

## Here's what used to be true:

- A simple CRUD application took a solo developer 2–4 weeks to build
- Enterprise projects ran 6–18 months from concept to MVP
- 70% of your code was structural plumbing, not business logic
- Switching tech stacks meant months of ramp-up time

## Here's what's true now:

- That same CRUD app? An afternoon with the right AI prompt
- Full-stack applications scaffolded in hours, not months
- AI handles the boilerplate. You focus on what makes your product unique
- One developer with AI is doing the work that used to require a team of five

*But here's what most people get wrong about "vibe coding": it's not just about getting AI to write code for you. The developers who are truly thriving are the ones who **think like architects**.*

They understand systems. They know how components fit together. They can look at AI-generated code and know whether it's solid or whether it's going to fall apart at 2 AM when traffic spikes. That's what the full book teaches you—and here's a taste of how it works.

# The Secret: How You Talk to AI Changes Everything

---

The quality of what AI gives you is directly proportional to the quality of what you give it. Vague prompts produce vague results. Every time. But when you learn to communicate with precision—the way you’d brief a senior developer joining your team—the output is genuinely production-ready.

I use a simple framework for every prompt I write:

## 1. Context

What are you building? What’s the tech stack? What already exists? Give the AI everything you’d tell a new team member on their first day.

## 2. Constraints

What are the boundaries? Security standards, coding conventions, performance requirements, which dependencies to use. The AI doesn’t know your preferences unless you say so.

## 3. Output

What exactly do you want back? A complete file? A code review? Three architectural options with trade-offs? Be explicit—AI follows instructions well but reads minds poorly.

## Here’s what this looks like in practice:

### EXAMPLE PROMPT — Small Business Website

```
Build a multi-page website for a bakery called Golden Crust.
Landing page with: hero section, location/hours with embedded
map, menu organized by category (breads, pastries, cakes,
seasonal specials), schedule of community events.
Blog page: linked from nav, recipe posts with thumbnails.
Tech: Next.js + Tailwind. JSON-based content so the owner
can update without a developer. Mobile-responsive, local SEO.
```

That single prompt produces a launchable website. Compare it to “build me a bakery website”—which gives you something generic you’ll spend hours fixing. **Specificity is free. Use it.**

The full book includes 10 ready-to-use prompt templates covering project scaffolding, code reviews, debugging, architecture design, refactoring, Docker setup, CI/CD pipelines, security audits, database schema design, and tech stack evaluation.

# What's Inside the Full Book

---

10 chapters, 3 practical appendices, and zero fluff. Written like one architect explaining things to another over coffee.

## 1. The Old World

What traditional development looked like—and why AI feels like such a big deal to those of us who lived through it.

## 2. The AI Revolution

A no-hype breakdown of Claude, Gemini, ChatGPT, and when to use each one. I share my actual daily toolkit.

## 3. The Art of the Prompt

The CONTEXT → CONSTRAINTS → OUTPUT framework, proven patterns, and three full real-world prompt examples.

## 4. Think Like an Architect

The chapter that makes everything else more powerful. Systems thinking, trade-offs, and using AI as your architecture partner.

## 5. Choosing Your Tech Stack

Frameworks, databases, ORMs—how to make smart decisions before you write a line of code.

## 6. GitHub: Your Code's Home Base

Why version control matters even more with AI, plus Actions, branch strategies, and best practices.

## 7. Docker

Containers, Compose, CI/CD pipelines, and AI-generated production-ready configs in minutes.

## 8. Cloud Providers

AWS, Azure, GCP, plus developer-friendly alternatives. Honest advice on choosing the right one.

## 9. Security and Compliance

The chapter nobody wants to read but everybody needs. OWASP Top 10, security tools, AI-assisted threat modeling.

## 10. The Compound Effect

How experience multiplies AI's power—plus three things you can do today to put this book into practice.

**Plus three appendices:** A curated tools guide with comparison tables, 10 copy-and-customize prompt templates, and a comprehensive pre-deployment security checklist.

## Ready to Build Smarter?

---

This preview is just the first five minutes.

The full book gives you **10 chapters of practical, experience-tested guidance**—from your first AI prompt to production-grade cloud deployments.

### *What you'll walk away with:*

- *A framework for writing prompts that produce production-ready code*
- *The architectural thinking that separates builders from button-pushers*
  - *10 ready-to-use prompt templates for every phase of development*
    - *A complete security checklist so nothing slips through*
    - *Beginner-friendly callouts so nobody gets left behind*
- *Confidence to build real software—whether it's your first project or your fiftieth*

Get the full book:

**[stan.store/coopertech](https://stan.store/coopertech)**

---

Questions? Reach out directly:

[josh@coopertech.cc](mailto:josh@coopertech.cc)

*“Vibe coding isn't about replacing skill with shortcuts.  
It's about amplifying whatever you bring to the table.”*

— Josh Cooper