

A Hands-on Web3 AI Vibe Coding Workshop

Today's Agenda

1. **Opening & Self-Introduction (5 min)**
2. **Today's Goals and Flow (5 min)**
3. **AI Vibe Coding Live Demo (10 min)**
4. **Tips for AI Vibe Coding (10 min)**
5. **Hands-on Session (90-125 min)**
6. **Wrap-up & Review (5 min)**
7. **Showcase & Networking (20-55 min)**

First: Instructor Introduction

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Goals of This Workshop

By the end of this workshop, you will...

- **Gain the ability to develop a Web3 app prototype**
- **Acquire the "tips"** to maximize the power of AI

AI Vibe Coding Live Demo

"The Moment a dApp is Born with AI"

Now, I will show you how to build a DEX prototype from scratch, focusing on **interaction with AI**.

Theme: Let's build an AMM DEX!

1. Create requirements and design documents
2. Create a task list
3. Start implementation

Tips for AI Vibe Coding

Just knowing this will dramatically improve your
AI-driven development experience!

**I will introduce four particularly important
points.**

Tip #1: Use Multiple Models for Different Tasks

What a model "can do" and is "good at" varies.

- **Models good at coding**
(e.g., Claude)
- **Models capable of multimodal processing**
(e.g., Gemini)

Tip #2: Enhance AI Capabilities with MCP

Using **MCP** turns the AI into a powerful
"**dedicated assistant**" for your project!

Tip #2: Enhance AI Capabilities with MCP

- You can directly teach the AI your project's file structure and coding conventions.
- This allows the AI to deeply understand the project's context and generate more accurate code.

Tip #3: Proceed in Stages

No need to aim for perfection all at once.

"Build small, then move on" is the shortcut to success.

Tip #3: Proceed in Stages

- Create requirements, design, and task list documents
- Set up the overall project
- Implement the smart contract
- Implement the front-end

Tip #4: Custom Instructions

"How you give instructions" to the AI is also important.

Let's prepare a custom instruction file in advance.

Clear instructions maximize the AI's power!

Hands-on Time!

(90-125 min)

1. **Part 1 (Basic): DEX (Decentralized Exchange) Development**

- First, experience the basic flow of AI Vibe Coding with the prepared theme!

2. **Part 2 (Advanced): Original dApp Development**

(If time permits)

- Create a one-of-a-kind dApp with your own unique idea!

Hands-on Steps

- **Create requirements, design, and task list documents**
- **Project Setup**
- **Smart Contract Development**
- **Front-end Development**

Sample GitHub

GitHub - Web3AIVibeCodingStarterKit

Sample Documents

Please refer to the following documents!

Prompts

Requirements Document

Task List

Sample Configuration Files

Claude Code Configuration File

Gemini CLI Configuration File

GitHub Copilot Configuration File





Kiro Configuration File

Today's Summary

Today, we explored the world of AI Vibe Coding
and
experienced its amazing potential.

Today's Summary

The four key points for success

-  **Use Multiple Models for Different Tasks**
-  **Enhance AI Capabilities with MCP**
-  **Proceed in Stages**
-  **Set up Custom Instructions**

Thank You!

Supplementary Materials

Overall AI VibeCoding Environment

Recommended Tools

Introduction

IDE

- **VS Code (with GitHub Copilot)**
- **Kiro**

Coding Agent

- **GitHub Copilot Agent Mode**
- **Gemini CLI**
- **Kiro's built-in Coding Agent**
- **Claude Code**

MCP

- **context7**
- **serena MCP**
- **GitHub MCP**
- **sequential-thinking**