

規範驅動開發：探索 Kiro 的 應用潛力

Michael Lin

Sr. Solutions Architect
Amazon Web Services





The AI IDE for prototype to
production



AI is changing software



A horizontal timeline with three purple dots. Below each dot is a year, a category in a white box, and a description of the AI's role.

2023

AUTO-COMPLETE

Helping developers
write code faster

2024

ASSISTANTS

Generating larger pieces
of code and answering
questions

2025

AGENTS

Completing development
tasks end-to-end with
human in the loop

Challenges with AI development

Scaling AI development

AI coding tools excel at small tasks but can fail with complex projects

Limited control

Existing tools make it difficult to collaborate with and manage agents

Code quality

Getting a project from proof-of-concept to production while maintaining quality control becomes increasingly difficult

Kiro: Vibe vs. Spec

- Rapid exploration and testing
- Building when requirements are unclear
- Implementing a task



- Thinking through features in-depth
- Projects needing upfront planning
- Building features in a structured way

Solution: Spec-driven development

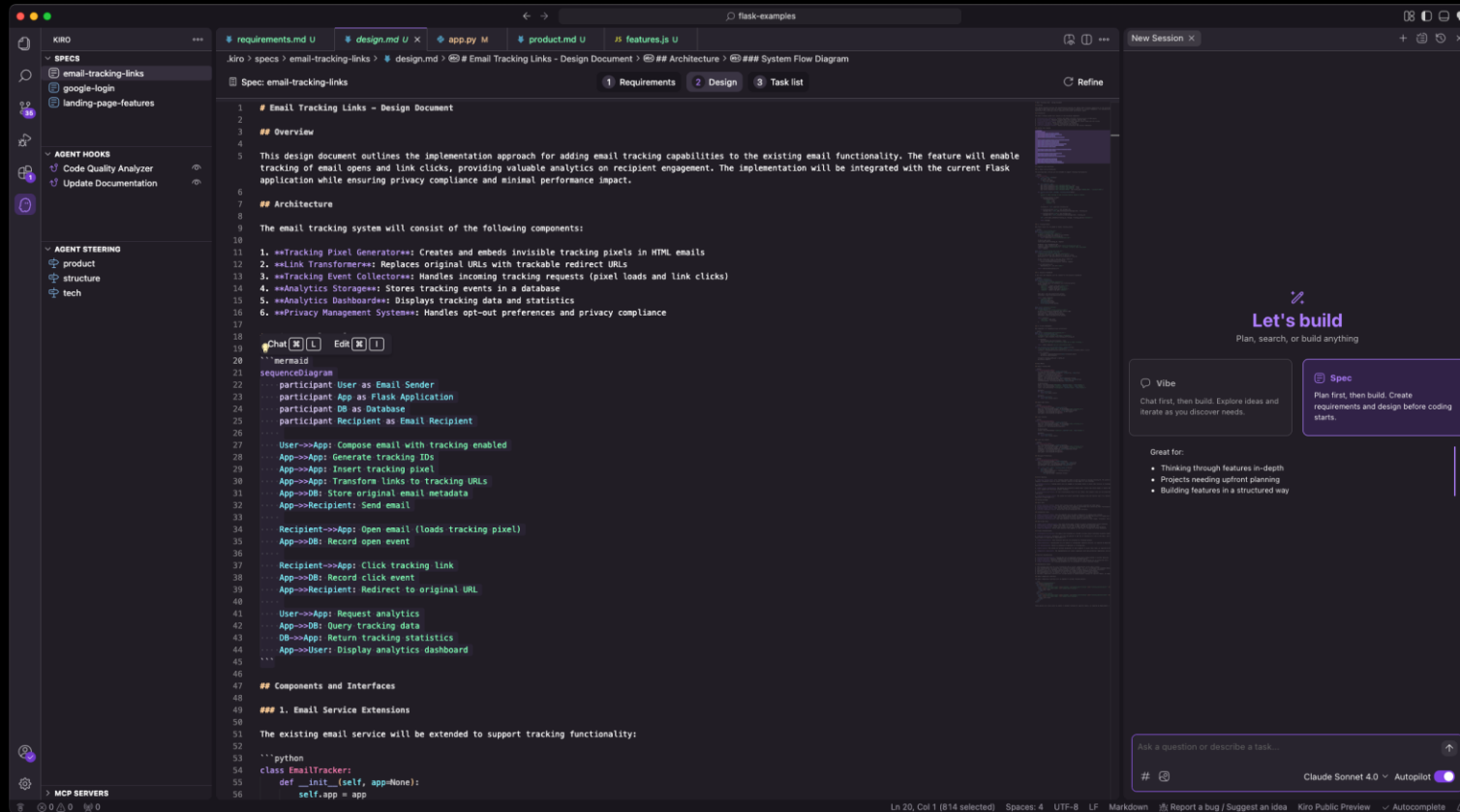
Vibe coding ships the prototype,
traditional SDLC practices ship the product



Kiro helps developers and engineering teams
ship high quality software with AI agents

**What would a development
experience look like if it could take
full advantage of working with AI
agents?**

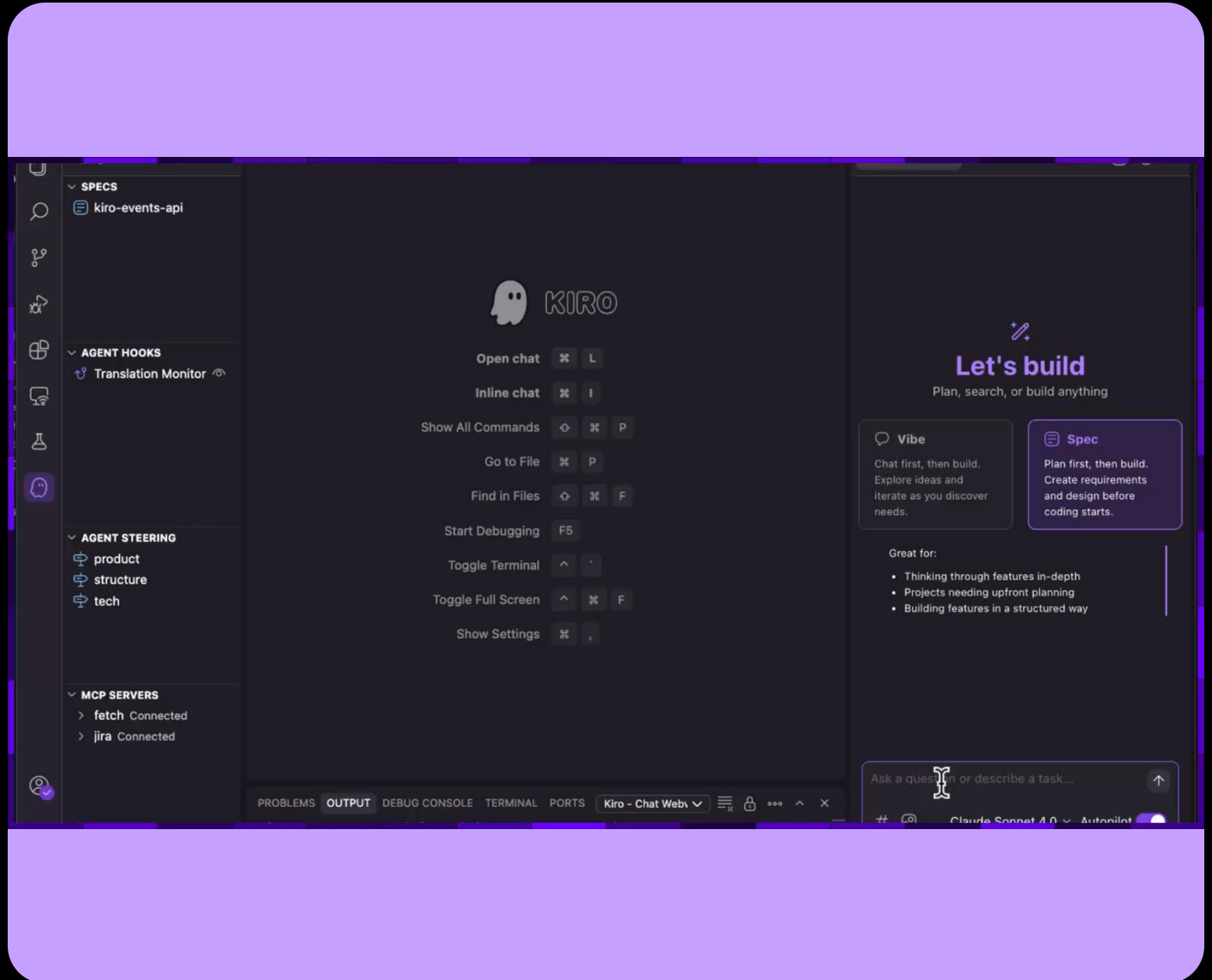
The AI IDE for prototype to production



Kiro helps you do your best work by bringing structure to AI coding with spec-driven development.

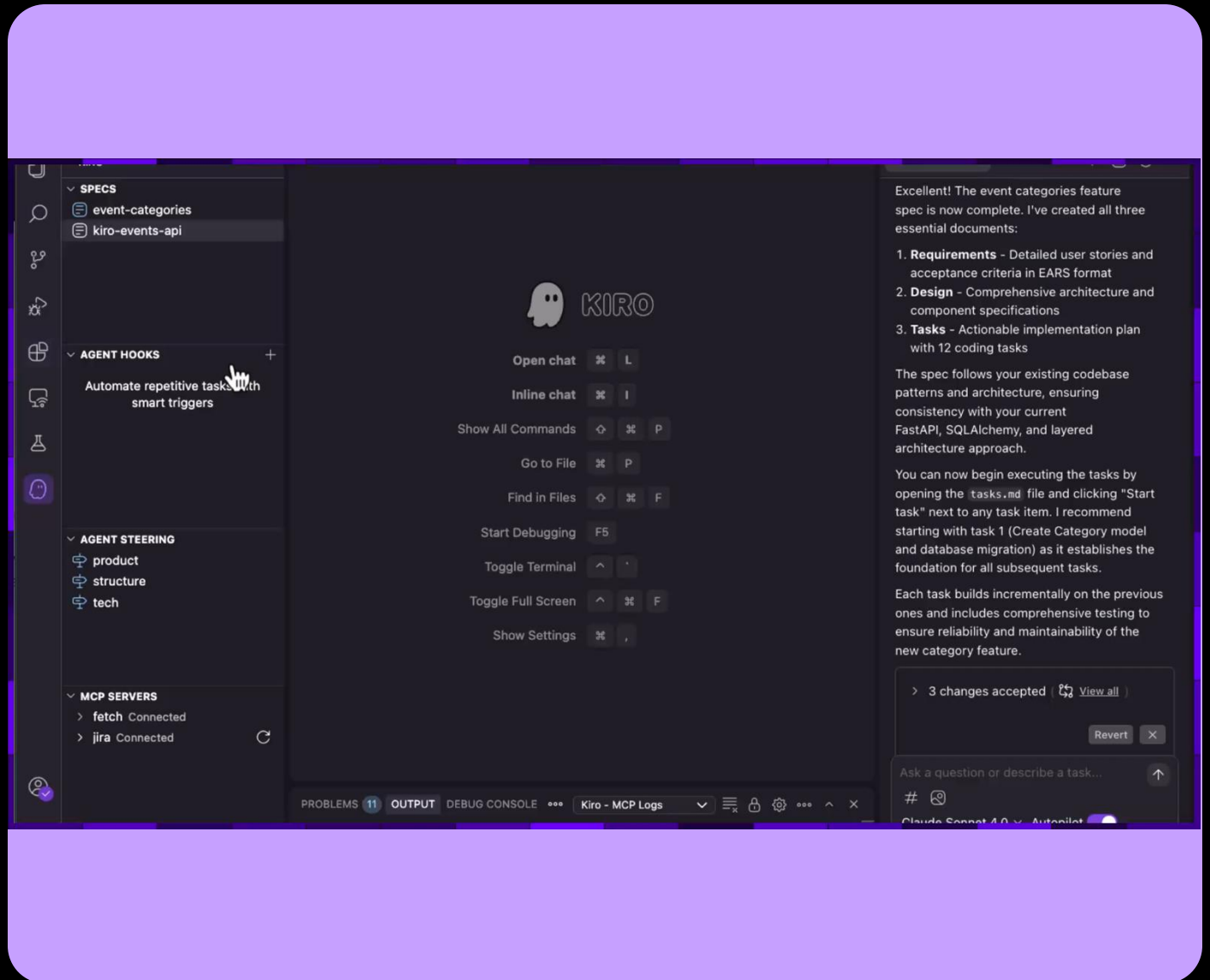
Spec-driven development

- Kiro turns your prompt into clear **requirements**, system **design**, and discrete **tasks**
- Iterate with Kiro on your spec and architecture
- Kiro agents implement the spec while keeping you in control



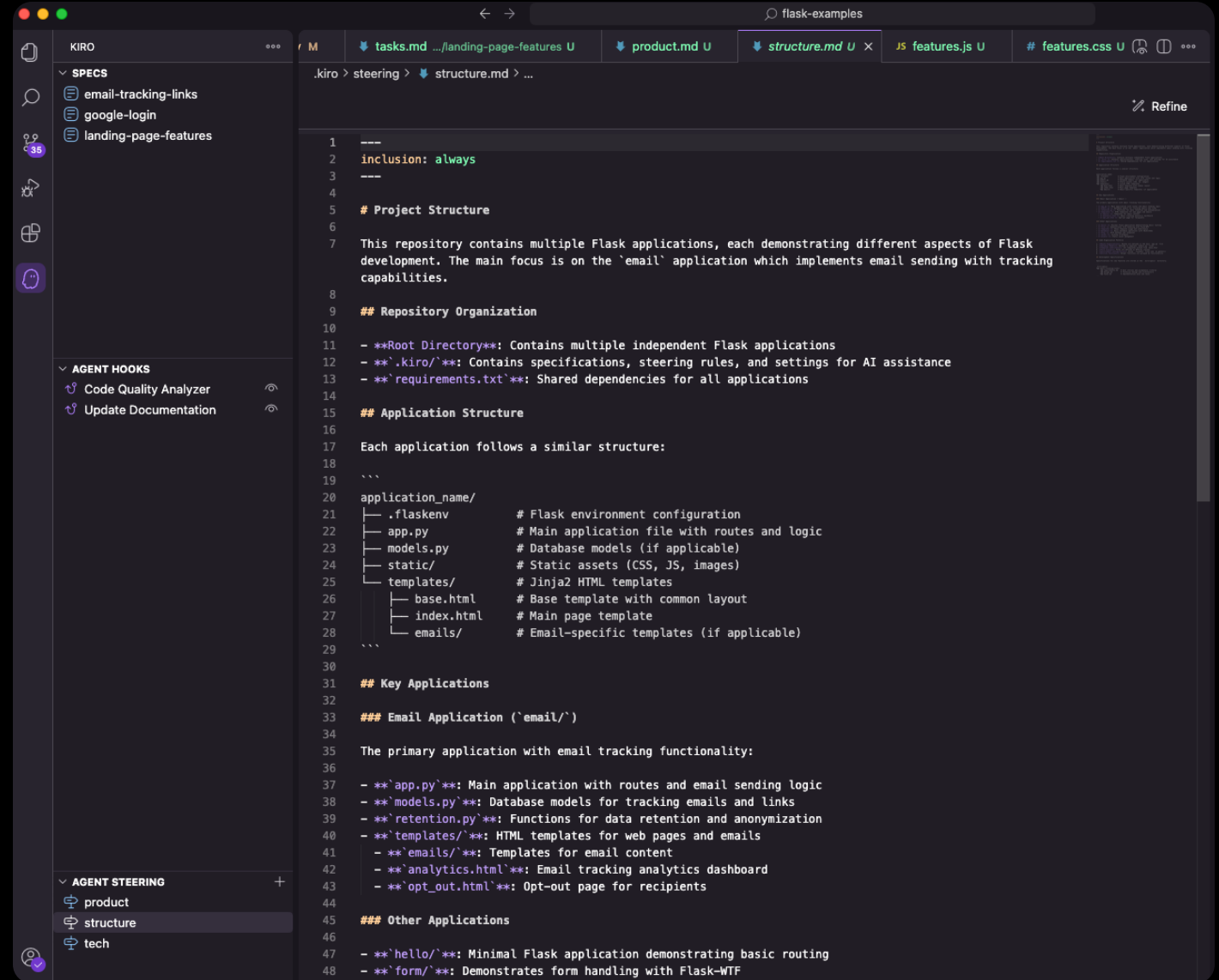
Agent hooks

- Delegate tasks to AI agents that **trigger** on events such as 'file save'
- Agents **autonomously execute** in the background based on your pre-defined prompts
- Agent hooks help you scale your work by generating **documentation**, unit **tests**, or **optimizing code** performance



Advanced context management

- Connect to docs, databases, APIs, and more with native **MCP** integration
- Configure how you want Kiro agents to interact with each project via **steering files**
- Drop an **image** of your UI design, or a photo of your architecture whiteboarding session, and Kiro can use it to guide its implementation



Power, flexibility, and security

Compatible with VS code

Kiro supports Open VSX plugins,
themes, and VS
Code settings in a streamlined
AI-ready environment

Cutting-edge Claude models

Choose from Claude Sonnet
3.7 or Sonnet 4 models,
with more options coming
soon

Enterprise-grade security

Kiro is built and
operated by AWS

Use Cases

Build new apps

Quickly go from prototype to production code and deployment, with best practices built-in, including structured design, documentation, or test coverage

Build on existing apps

With specs and smart context management, Kiro makes it easy to onboard to and build on top of existing apps while maintaining consistency

Refactor and modernize

Kiro understands your codebase and can precisely guide you through refactoring million+ LOC codebases

Get started with **Kiro** for free



Kiro.dev

Pricing

KIRO FREE

\$0
per month

✓ 50 vibe requests

Join Waitlist

KIRO PRO

\$20
per month

✓ 225 vibe requests

✓ 125 spec requests

✓ Pay-per-use overage

KIRO PRO+

\$40
per month

✓ 450 vibe requests

✓ 250 spec requests

✓ Pay-per-use overage

KIRO POWER

\$200
per month

✓ 2,250 vibe requests

✓ 1,250 spec requests

✓ Pay-per-use overage

Prices are exclusive of applicable taxes and duties, including VAT and applicable sales tax. For customers with a Japanese billing address, use of Kiro is subject to Japanese Consumption Tax.

Thank you!

Michael Lin

linmicht@amazon.com



Please complete the session
survey in the mobile app