

# From Agile to AI: Revolutionize Software Development

How AI Can 2x Your Product Development Speed



## ABOUT ME

# Vachara Suwansophon

Head of Mobile

15 years experiences of consulting





A **global tech innovation consultancy** dedicated to achieving your business goals through next-level product-centric software delivery.

We provide expertise across the full product journey from ideation to launch and scale, using Sustainable IT practices as a commitment to crafting tech as a force for good.

50

Nationalities

18

Offices

10

Countries



25%

Organic  
Growth

\$70M

Turnover

700+

Technology  
experts from  
across the globe

100%

Independently-  
owned

0

Debt

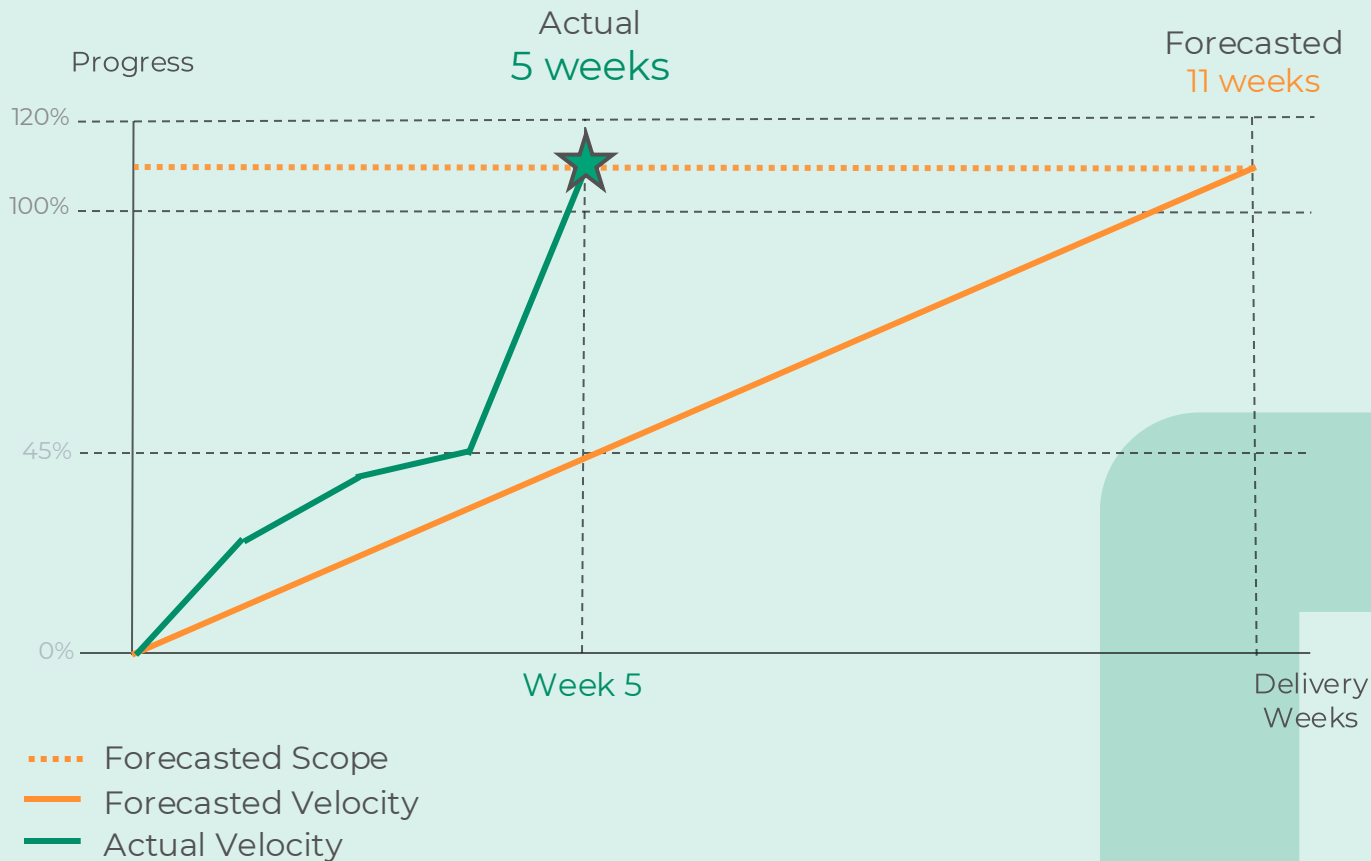


GitHub Verified Partner



# Sharing from **OUR EXPERIENCES**

# Forecast vs Actual Completion



Time

**55%**

faster  
than estimated

**100%**

tested  
End-to-end

Maintain **High**

Coding Standard  
and Security

Introducing

# Gen-e2

GenAI Enhanced Engineering

PALO IT's AI-first approach to software development



Crafting tech as  
a force for good.



# 2 THINGS

We know so far about  
**GENERATIVE AI**  
for developer

1

Almost **40%** of the code

created now is **AI-generated**



“

We're now seeing the developers using GitHub Copilot are **55% more productive** and **40%** of the code they're checking in is now **AI-generated** and unmodified

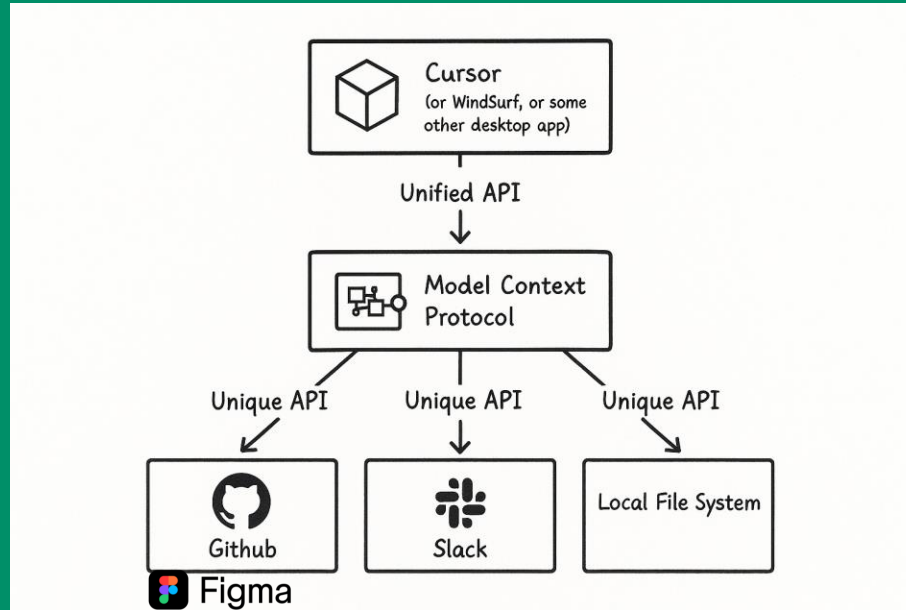
Scott Guthrie  
Executive VP of Cloud and AI, Microsoft

[Morgan Stanley TMT Conference Transcript](#)



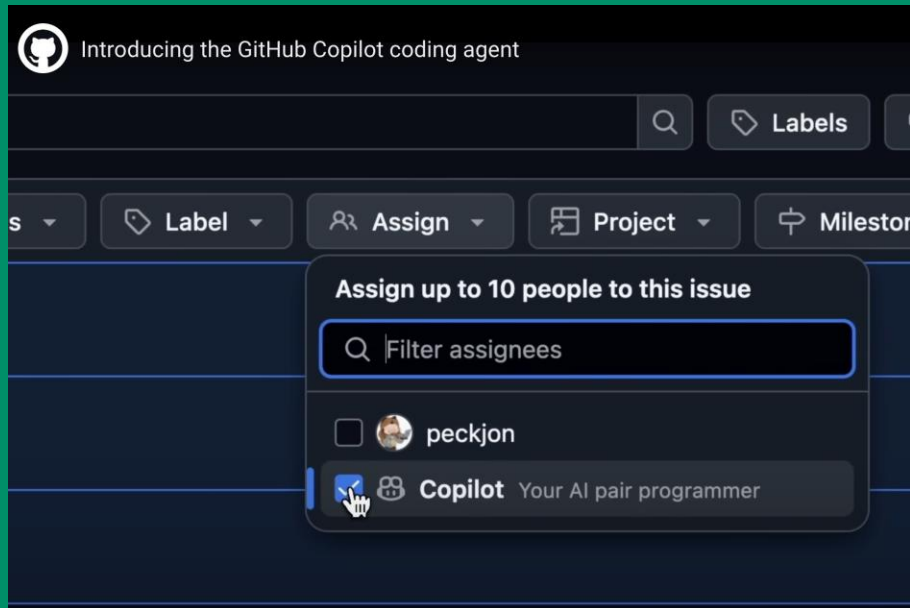
**Even more true in near future...**

# Model Context Protocol



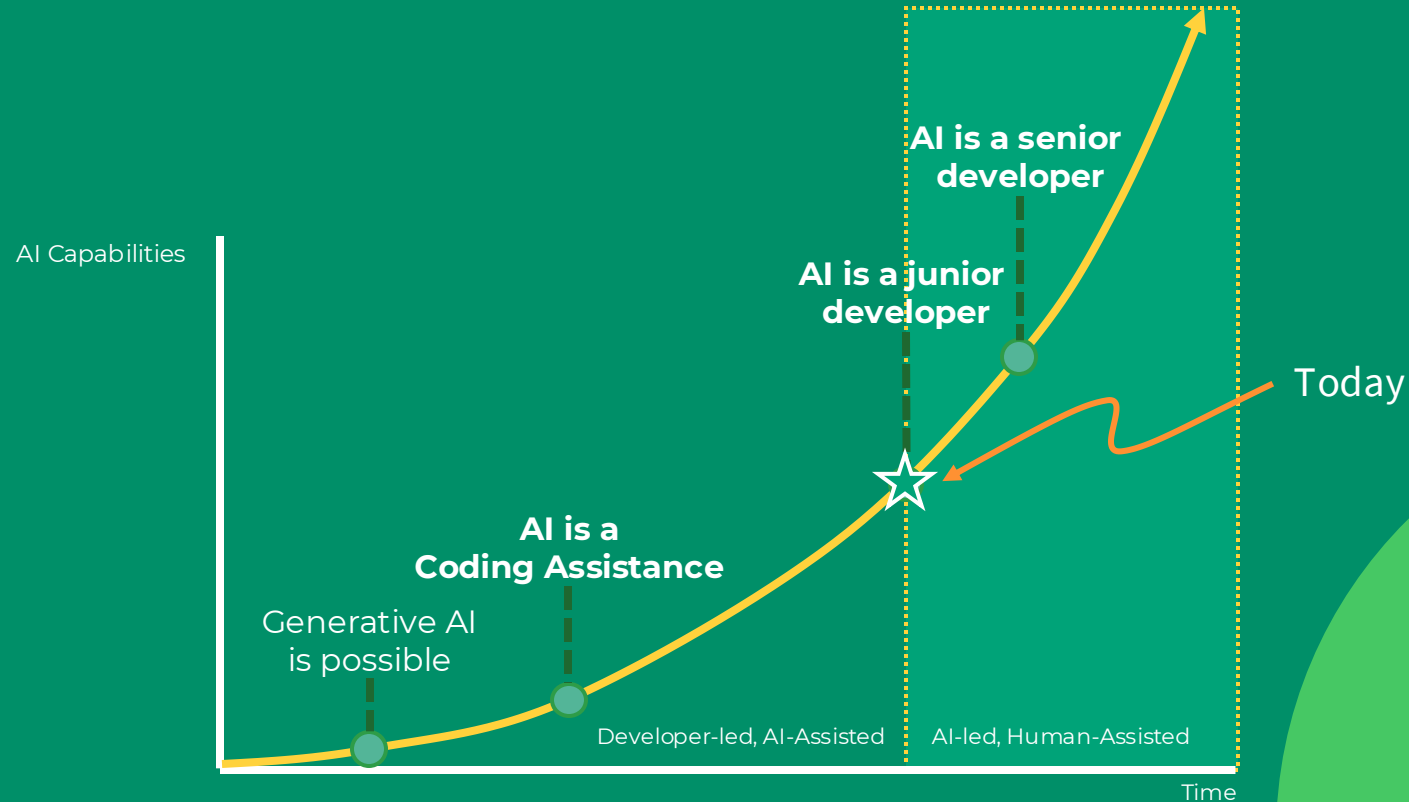
<https://addyo.substack.com/p/mcp-what-it-is-and-why-it-matters>

# GitHub Copilot Coding Agent



<https://github.blog/news-insights/product-news/github-copilot-meet-the-new-coding-agent/>

# AI is evolving from **Coding Assistance** to **CODING PEER**



2

AI have vast information but

**LIMITED CONTEXT,**

and a lot of

**HALLUCINATION**

Draw a human hand with a normal amount of fingers

12:24 AM ✓✓

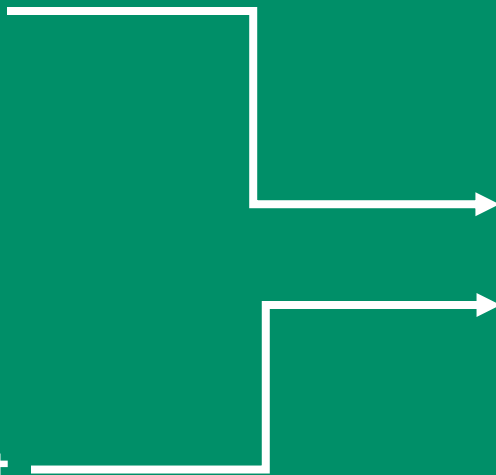




**Better context**



**Specific prompt**



**Better result**

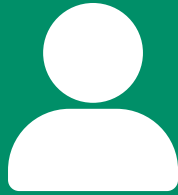


PALO IT's AI-First  
product development approach:

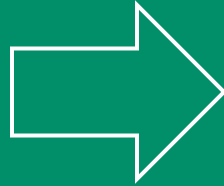
# Gen-e2

# HOW DID WE DO IT?

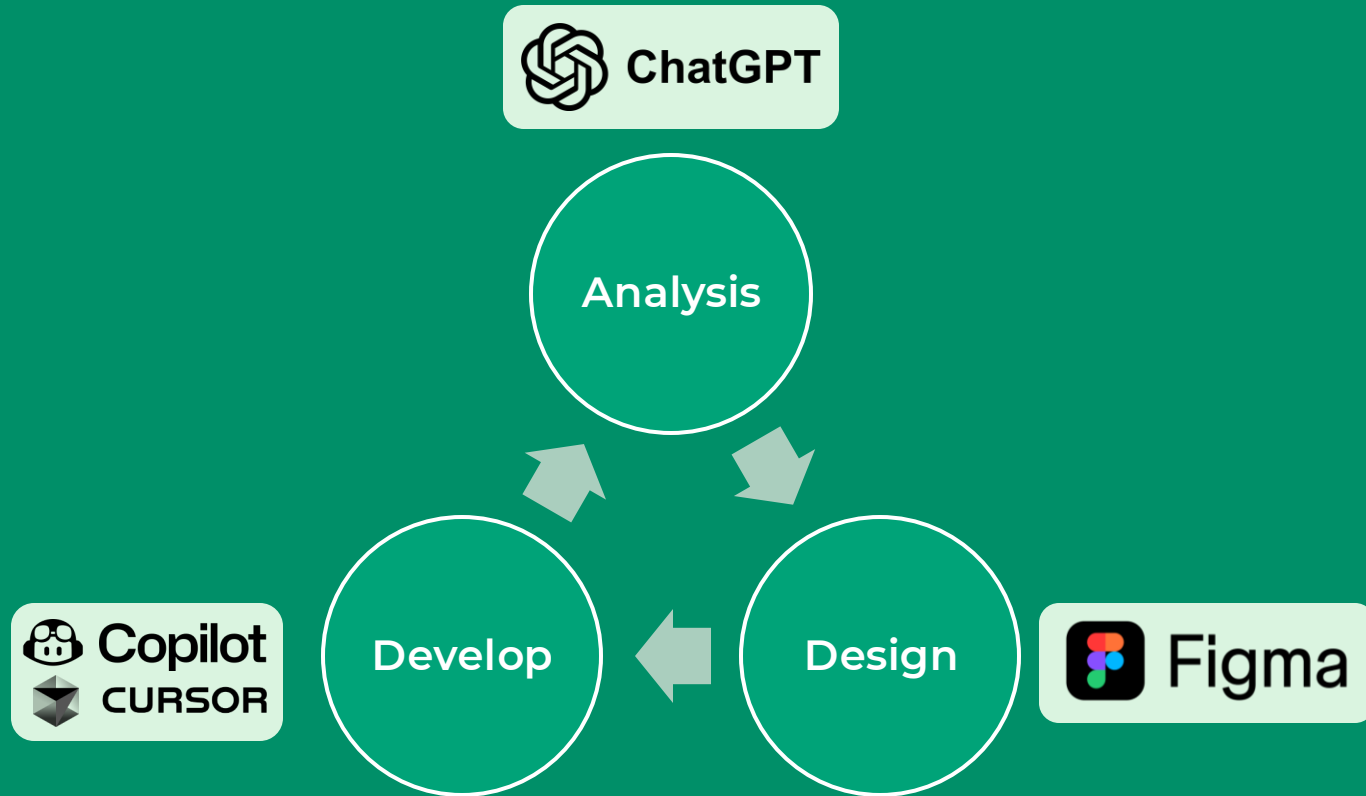
# We **PROMOTE** AI usage up a level



**Individual**  
Level



**Project**  
Level



Analysis



**Copilot**  
**CURSOR**

Develop



Design



Use AI prompting for

**EVERYTHING**

Prompt for  
**REQUIREMENTS**



Prompt for  
**TEST CASES**



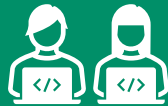
Adding in our  
**EXTRA SECRET  
SAUCES**

**Gen-e2**

Prompt for  
**DESIGNS**



Prompt for **CODE**



Prompt for  
**DOCUMENTS**



In Gen-e2, we estimated that final  
code and documents were

**95%**

**AI-generated**



# **WE REVOLUTIONIZED**

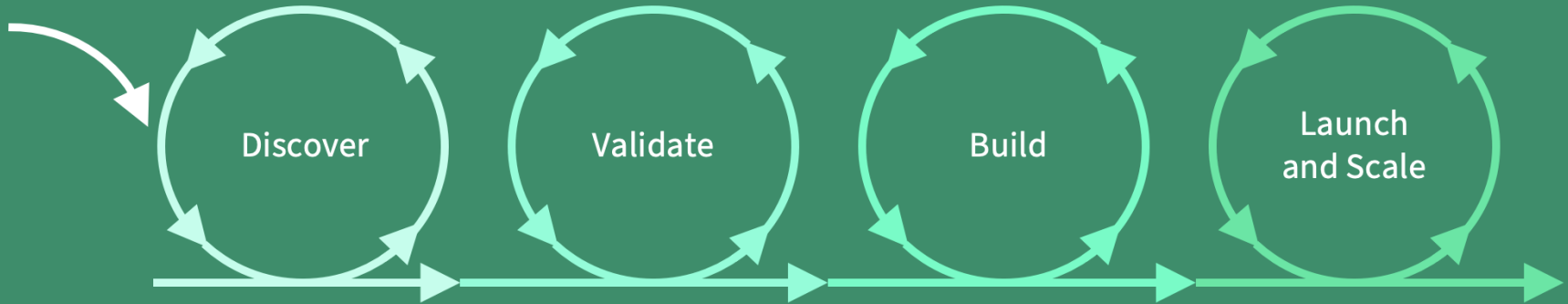
how we approach software development

“

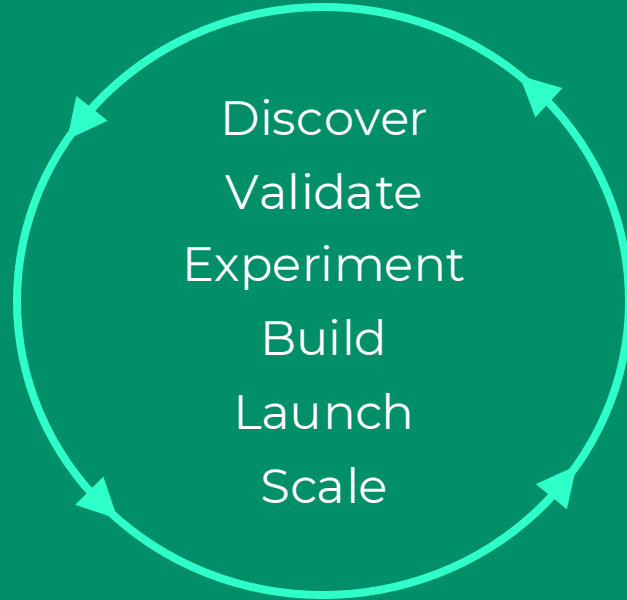
By integrating all forms of AI into the end-to-end software product development life cycle (PDLC), companies can **empower** product managers (PMs), engineers, and their teams to **spend more time on higher-value work** and less on routine tasks.

**McKinsey**

# From traditional...



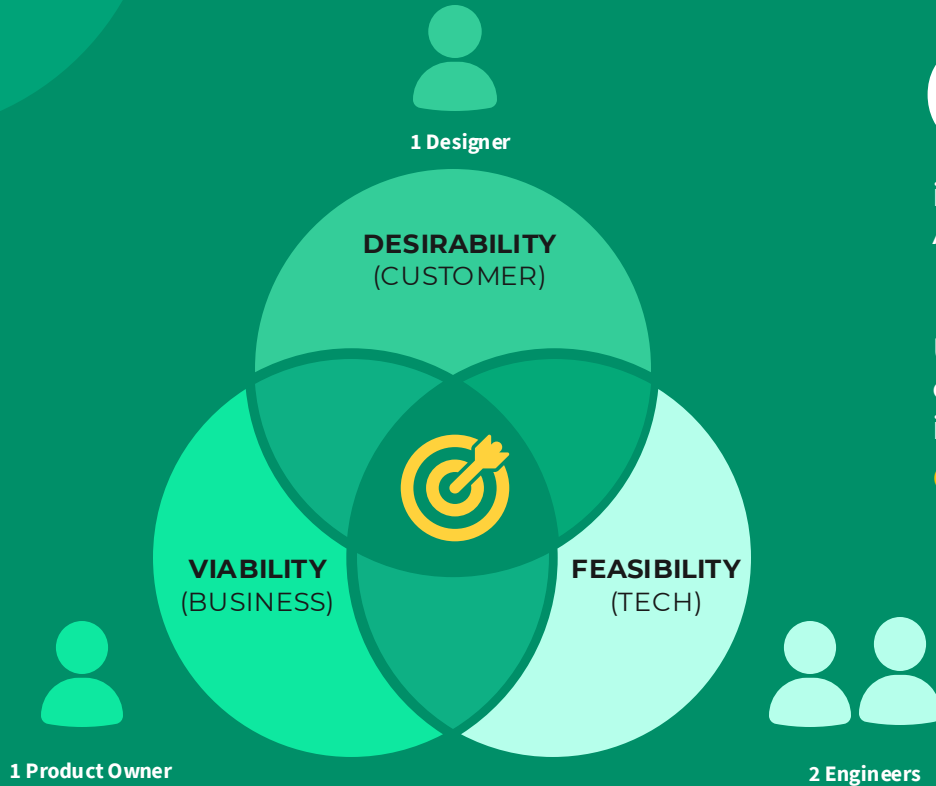
# To **AI-enabled** product development life cycle



# Gen-e2

is an approach where we put  
AI at the center of the team

Using the power of Generative AI and an  
empowered team, we enable rapid  
iterations of  
**discover, experiment, build**



# BENEFITS



1

Faster **TIME TO MARKET**



2

Delivers **CUSTOMER VALUE** sooner



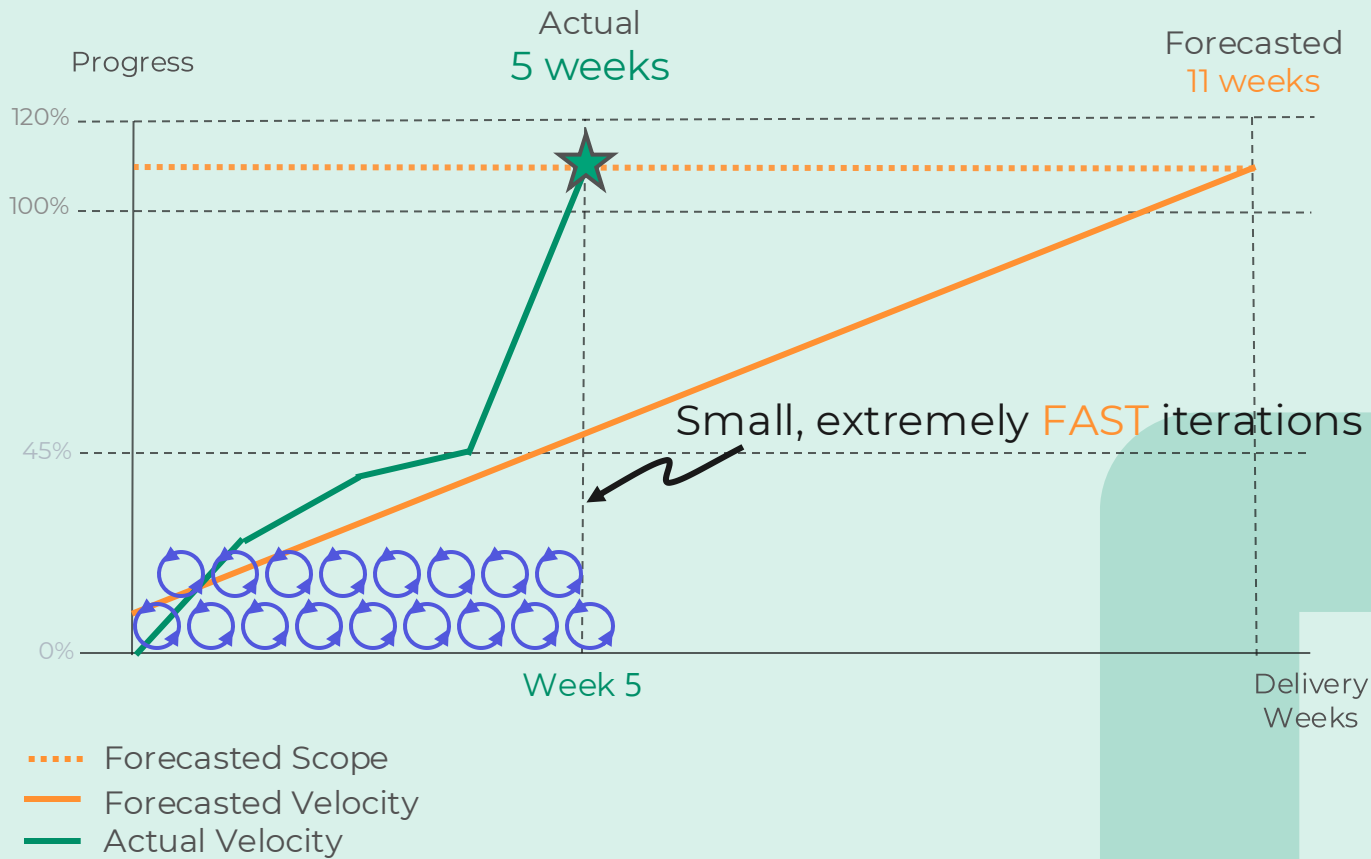
A hand holding a lightbulb, symbolizing an idea. The background is a solid teal color. A green circle with the number 3 is positioned above the text.

3

More **GOOD IDEAS** see the light of day



# Forecast vs Actual Completion



★ Time  
**55%**  
faster  
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tested  
End-to-end

Maintain **High**  
Coding Standard  
and Security

Combining with PALO IT's DNA in

**QUALITY** and **SECURITY**

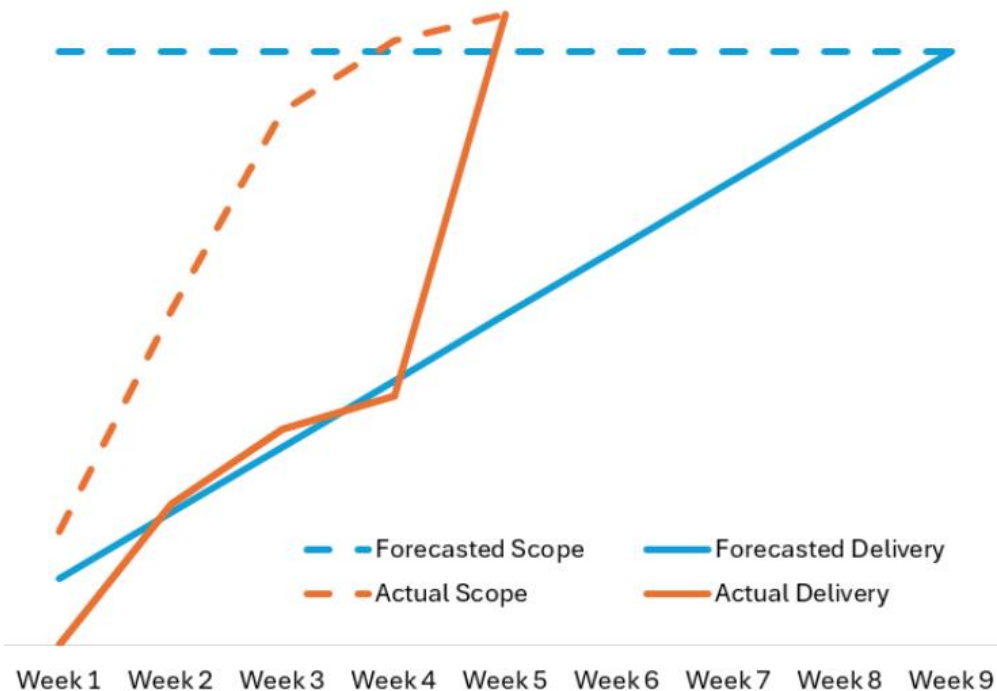
# 100%

**Tested  
End-to-end**

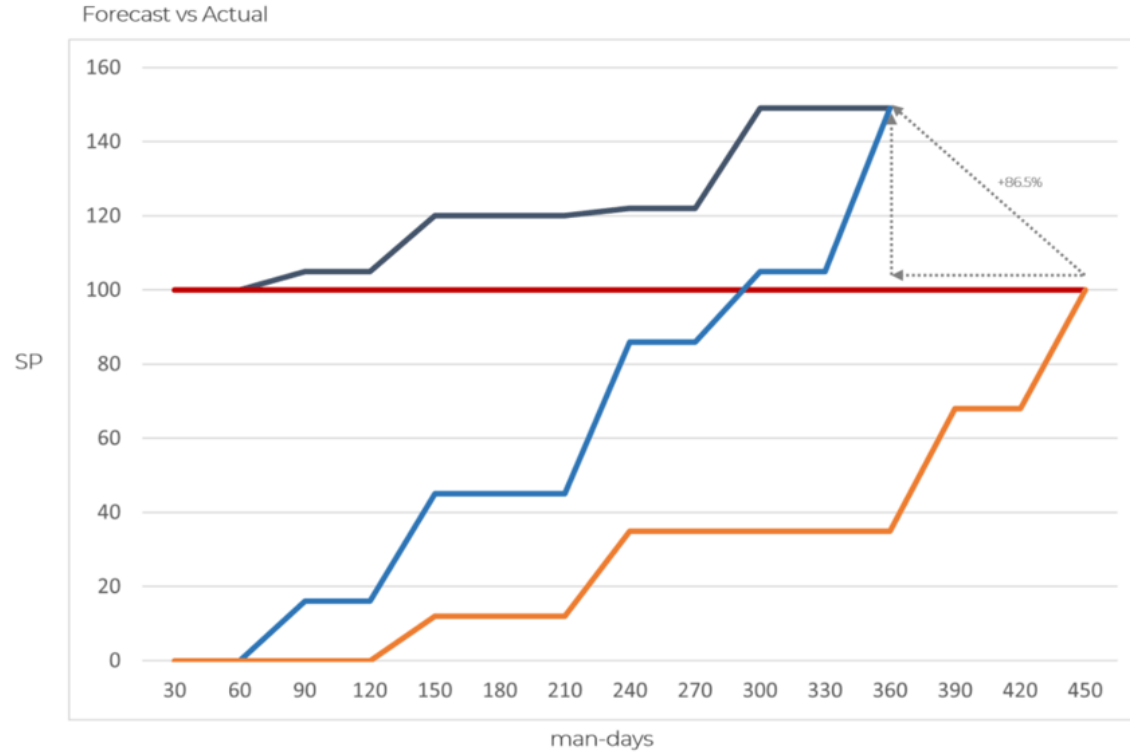
# High

**Maintained  
Coding Standard  
and Security**

# CASE STUDY



**55%** MORE EFFICIENT



**86%** OVERALL **PRODUCTIVITY** GAIN



requirement.md — ai-bookstore

requirement.md

```
requirement.md > ## Build a Next.js Application for Book Recommendation
1  ## Build a Next.js Application for Book Recommendation
2
3  **Goal:**
4  Create a simple Next.js application that recommends books based on a user's mood or intent.
5
6  ---
7
8  ### Requirements
9
10 - Use **Next.js App Router** and **React (Client Component)**.
11 - Build everything **client-side only**, no backend or database.
12 - Use a **static list** of 5-10 books, where each book has:
13   - `title`: string
14   - `tags`: array of mood/genre keywords
15   - `summary`: short synopsis text
```

PROBLEMS TERMINAL

pnpm +

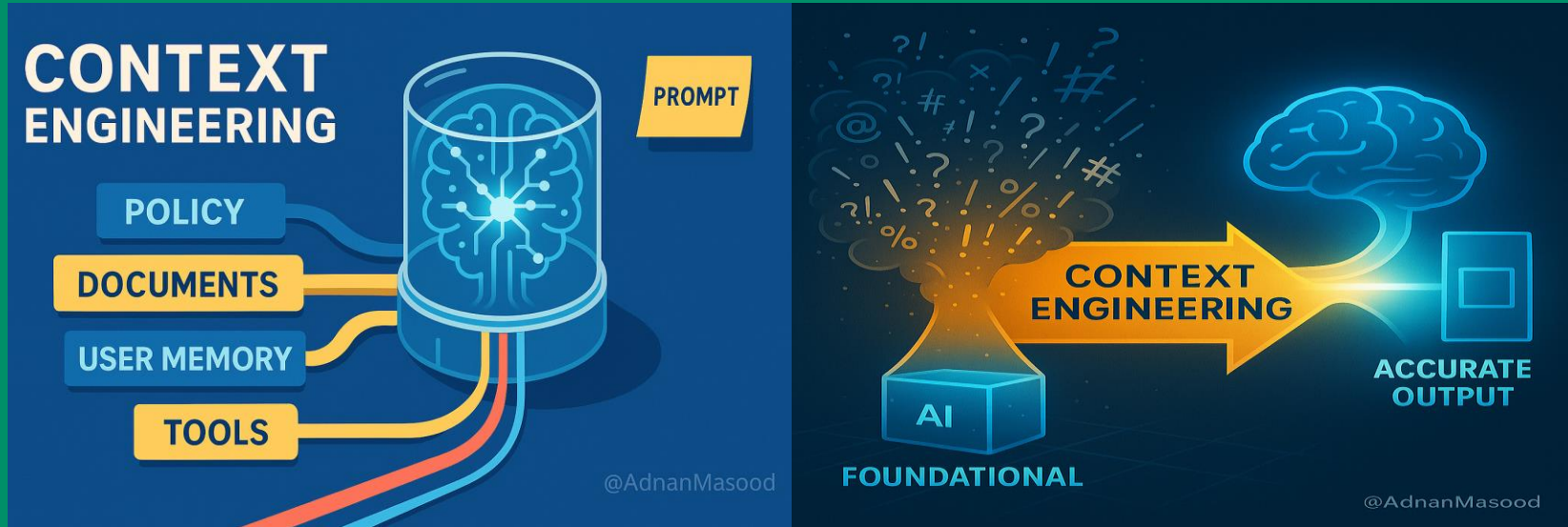
```

  ▲ Cross origin request detected from 192.168.1.103 to /_next/* resource. In a future major version of Next.js, you will need to explicitly configure "allowedDevOrigins" in next.config to allow this.
  Read more: https://nextjs.org/docs/app/api-reference/config/next-config-js/allowedDevOrigins
  o Compiling /favicon.ico ...
  ✓ Compiled /favicon.ico in 674ms
  GET /favicon.ico?favicon.45db1c09.ico 200 in 935ms
  GET / 200 in 77ms
  GET /favicon.ico?favicon.45db1c09.ico 200 in 303ms
```

The screenshot shows the GitHub Copilot Chat application in a dark-themed window. At the top, the browser tab is labeled 'Chat - ai-bookstore'. The main header area features the Copilot logo (a stylized face with glasses) and the title 'Edit with Copilot' in a large, bold font, with 'Agent Mode' centered below it. A paragraph of text explains that Copilot will use multiple requests to pick files to edit, run terminal commands, and iterate on errors. Below this, another paragraph states that Copilot is powered by AI and mistakes are possible, advising users to review output carefully. A button with a paperclip icon and the text 'or type # to attach context' is positioned below the text. At the bottom, there is a dark input bar. On the left of this bar are icons for a crossed-out tool, a paperclip, and a speech bubble. The text 'Add Context...' is to the right of the paperclip icon. Further right, a blue button with a paperclip icon is labeled 'requirement.md Current file'. Below the input bar, the text 'Edit files in your workspace in agent mode' is displayed. At the very bottom of the input bar, there is a microphone icon, the text 'Agent' with a dropdown arrow, 'Claude 3.7 Sonnet' with a dropdown arrow, and a send button with a right-pointing triangle and a dropdown arrow. The bottom of the window shows a status bar with a magnifying glass icon, the text 'Screen Reader Optimized', and a small icon on the right.

# BONUS

# THE INDUSTRY IS CATCHING UP



Context Engineering: Elevating AI Strategy from Prompt Crafting to Enterprise Competence

<https://medium.com/@adnanmasood/context-engineering-elevating-ai-strategy-from-prompt-crafting-to-enterprise-competence-b036d3f7f76f>

A large, thick, green stylized letter 'P' that frames the central text. It has a rounded top and a vertical stem that ends in a small horizontal bar at the bottom.

PALOIT