



HOW TO LEAD TECHNICAL TEAMS FROM EXPERIMENTS-IN-POCKETS TO AN AI-POWERED SDLC

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WE CO-CREATE FOR CUSTOMERS LIKE...

BANKING & INSURANCE



BPM



OIL, ENERGY & GAS



TELECOM



HEALTHCARE & LIFE SCIENCE



INFRASTRUCTURE



DATA ANALYTICS



FMCG



HR, PAYROLL, FINANCE



REAL ESTATE



ENGINEERING



GOVERNMENT



ECOMMERCE



ERP

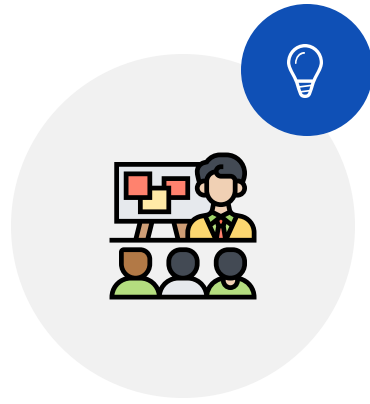


MARKET CONTEXT – WHAT WE ARE HEARING GLOBALLY



Top-down interest and new pressure

AI is on every mind, from C-suite to customers...how to deliver real impact and sustainable value, without throwaway investments?



Goalposts shifted without the game changing (yet)

Generic AI copilots already commoditised, so everyone gets same 10-20% bump ...how to get an edge across the SDLC and wider business?



Complex infosec landscape around new AI products

AI creates new risks and amplifies old risks around your core IP...how to assess, assure and adopt new AI tools safely?



Organizations need leadership to adopt AI successfully

Most organisations do not roll out new tech well, AI is no exception...which people should adopt AI for which use cases, when?

Image: GitHub

April 2025

Landscape

Your Guide to the AI Development Ecosystem

Stats

270 tools

+ Submit

Last updated

Thursday

17 April

—

Show all

AIE

Autonomous Agent

Beta

Browser

Code

Code Benchmark

Design

DevOps

DevSecOps

Documentation

Editor

Execution Sandbox

Frontend & Mobile

GA

Infrastructure As Code

MCP

Migration

Model

Nocode

Observability

OSS

Product

Prompting

Prototyping

Quality Assurance

Requirements

Review

Spec Driven

SRE

Terminal

Testing

Verified

Vuln Scanning













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Product											
Requirements14				Design11				Nocode10			
 <div>AISPEC</div>	 <div>CARROT</div>	 <div>CHAT PRD</div>	 <div>CLOUD ARCHITECT..</div>	 <div>BUILDER</div>	 <div>LOCOFY</div>	 <div>ANIMA</div>	 <div>CHORDIO</div>	 <div>DALTON</div>	 <div>DATA BUTTON</div>	 <div>FLUTTERFLOW</div>	 <div>FRAMER</div>

CHALLENGES SCALING AI ADOPTION ACROSS SDLC

WHERE TO BEGIN? (PARALYSIS)

WHAT TO MEASURE? (USE VS VALUE)

HOW TO SCALE? (OVER-CENTRALISATION)

WHO ARE AGENTS? (FANTASTICAL THINKING)

DEVON'S OWN AI JOURNEY

2023 – EXCITEMENT...CONFUSION...FEAR

2024 – EXPERIMENTATION WITHIN REAL WORK

2025 – EMBEDDING ACROSS WHOLE OF SDLC

2026 – AI-POWERED SDLC (AGENTS ETC)

HOW DID WE GET PEOPLE **EXCITED ABOUT AI?**



AI = AUTOMATION



ENTIRE PROCESSES



REPLACING HUMANS



HIGH QUALITY BARRIER



AI IS TOO HARD



AI \neq AUTOMATION



PARTIAL PROCESSES



AUGMENTING HUMANS



LOWER QUALITY BARRIER



AI IS WORTH IT

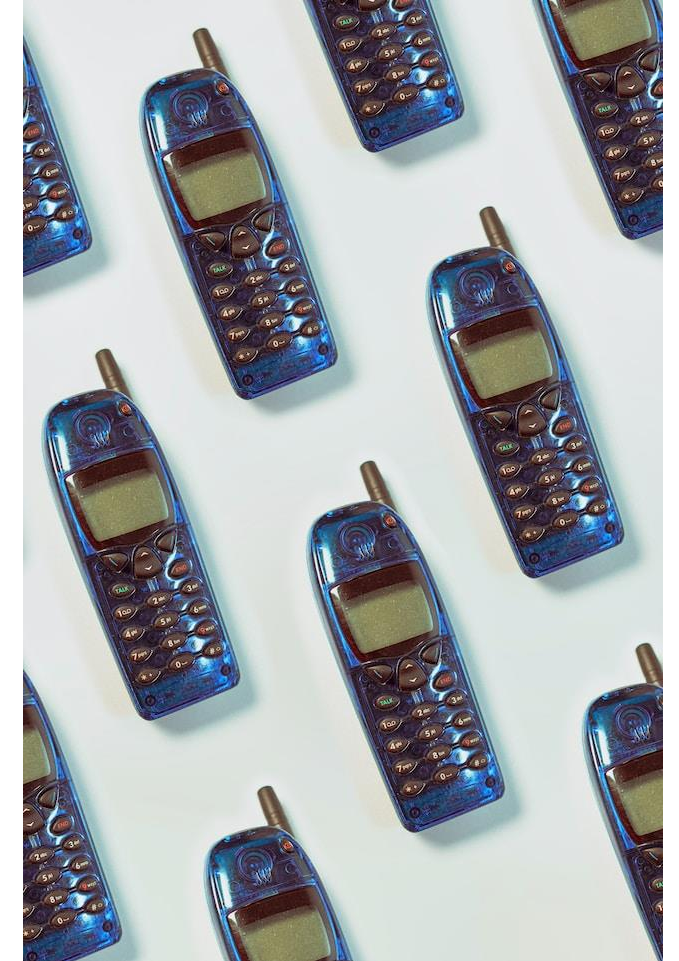
WHERE TO FIND AI OPPORTUNITIES



Improve existing



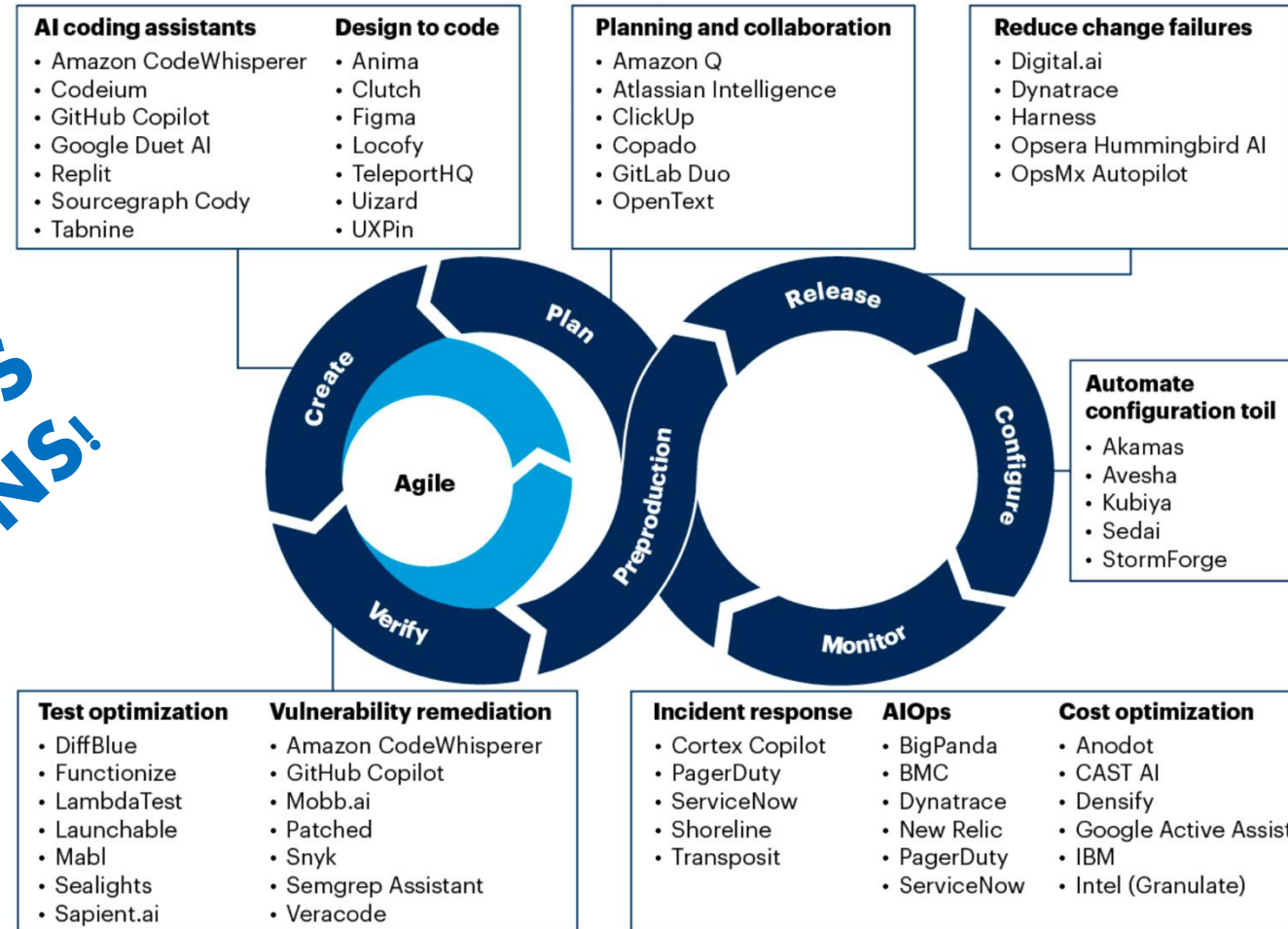
New feature



New product

AI-Augmented DevOps Tooling Across the SDLC

EXCITEMENT GAVE US
TOO MANY OPTIONS!



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HOW DID WE GET REAL WITH AI? **EXPERIMENTS**



GREENFIELD



SIMPLE APPLICATION



DIFFERENT TEAMS



MEASURE AI IMPACT



2-5 TIMES FASTER



LEGACY



CODE MIGRATION



EXPERTS WITH/OUT AI



MEASURE AI IMPACT



SOME PARTS 10X FASTER

MORE FORMAL EXPERIMENTS PROVED THE REAL VALUE

Stages	Traditional Development Team (In hours)	High Performance Team (In hours)	AI Powered high perf team (In hours)
PO, Wireframe	8	4	1.5
Development	56	20	14
QA	16	8	3
Gap Analysis	6	1	0.5
DevOps+First time setup	15	6	5
Front End	20	10	6
Total	120	43	25

Key Findings:

1. Biggest gain is not code completion, but acceleration of different stages.
2. Pushing AI upstream in SDLC allows all downstream teams to start working simultaneously and “sync up later”
3. AI lowers the barrier to T-skills and blurring of boundaries across roles
4. Need a baseline level of agility and skill to make the most of AI in SDLC

AI HELPS US SOLVE **OLD** PROBLEMS

NEVER ENOUGH TESTING



LET'S **AUTOMATE** TESTING!



NEW CODE BASE TO **MANAGE...**



LLMS WERE BUILT FOR THIS



AUTO-UPDATE AUTO-TESTS

Results



Reduction in Test Execution Time

Most tests are now automated, significantly reducing the need for manual effort. On average, automation scripts have cut execution time by 50%.

Reduction in Time to Market

Automation tests triggered during each deployment or release has reduced the product time to market by up to 30%.



Increased Coverage for Country-level Testing

Sampling is no longer required for each deployment, as automated regression suites now cover up to 80% of tests across all countries.

Reduction in Manual Effort

The majority of processes, including test configuration, are now automated and integrated into the pipeline, reducing manual effort by up to 60%.



Potential Reduction in Manual Testing Cost

The reduction in manual effort is projected to save 30% of costs, which can be redirected toward infrastructure improvements or additional tasks that add value beyond manual testing.

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EMBEDDING REQUIRES CONFRONTING FEARS

Software development has died many times

- ❑ High-level programming languages (1970s)
- ❑ Visual programming tools (1980s)
- ❑ Application frameworks/libraries (1990s)
- ❑ Model-driven development (2000s)
- ❑ No-code automation platforms (2010s)
- ❑ Generative AI (2020s)

Yet here we (still) are! Why are we still here?



Hamna Aslam Kahn • 2nd

Follow me to get insights on how to use AI at work and...
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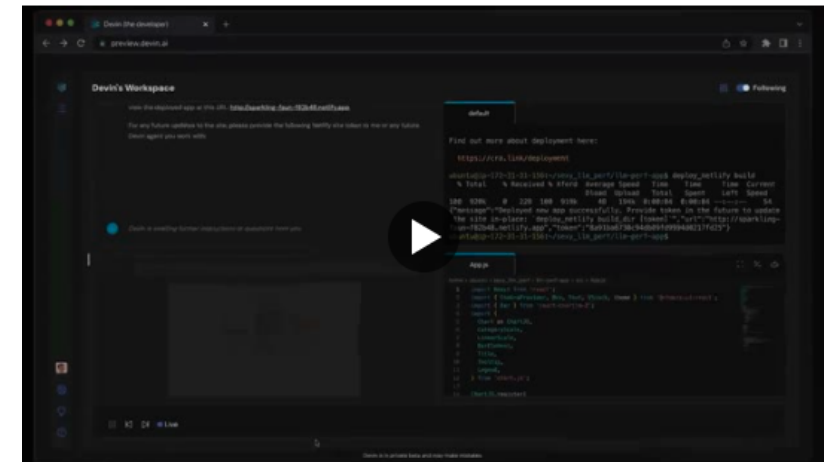
RIP software developers 🤖

This new AI tool announced yesterday built an entire Chrome extension from scratch with just a prompt

It's called Devin by Cognition Labs and it's the world's first AI engineer

It's backed by Peter Thiel and everyone from the CEO of Stripe to Perplexity is raving about it.

If you want to learn more about Devin and other AI tools, join Superhuman - my AI newsletter with 600k+ readers: <https://lnkd.in/dEmezNQ2>



👍❤️ Dr. Marcel Rohr and 628 others

162 comments • 82 reposts

WE ARE STILL HERE

**BECAUSE SOFTWARE DOES NOT
(YET) EXIST FOR ITS OWN SAKE**

**VALUE OF SOFTWARE IS IN SCALING
HUMAN OUTCOMES TO NEW LEVELS**

KEY TRENDS FOR 2025 - MINDSET

**A GAP WILL START TO EMERGE BETWEEN
THOSE GETTING USED TO WORKING WITH AI,
AND THOSE WITH THEIR HEAD IN THE SAND**

**WITHOUT A STRUCTURED APPROACH TO
LIGHTING THE SPARK OF AI-DRIVEN
INNOVATION, EARLY GAINS WILL PETER OUT**

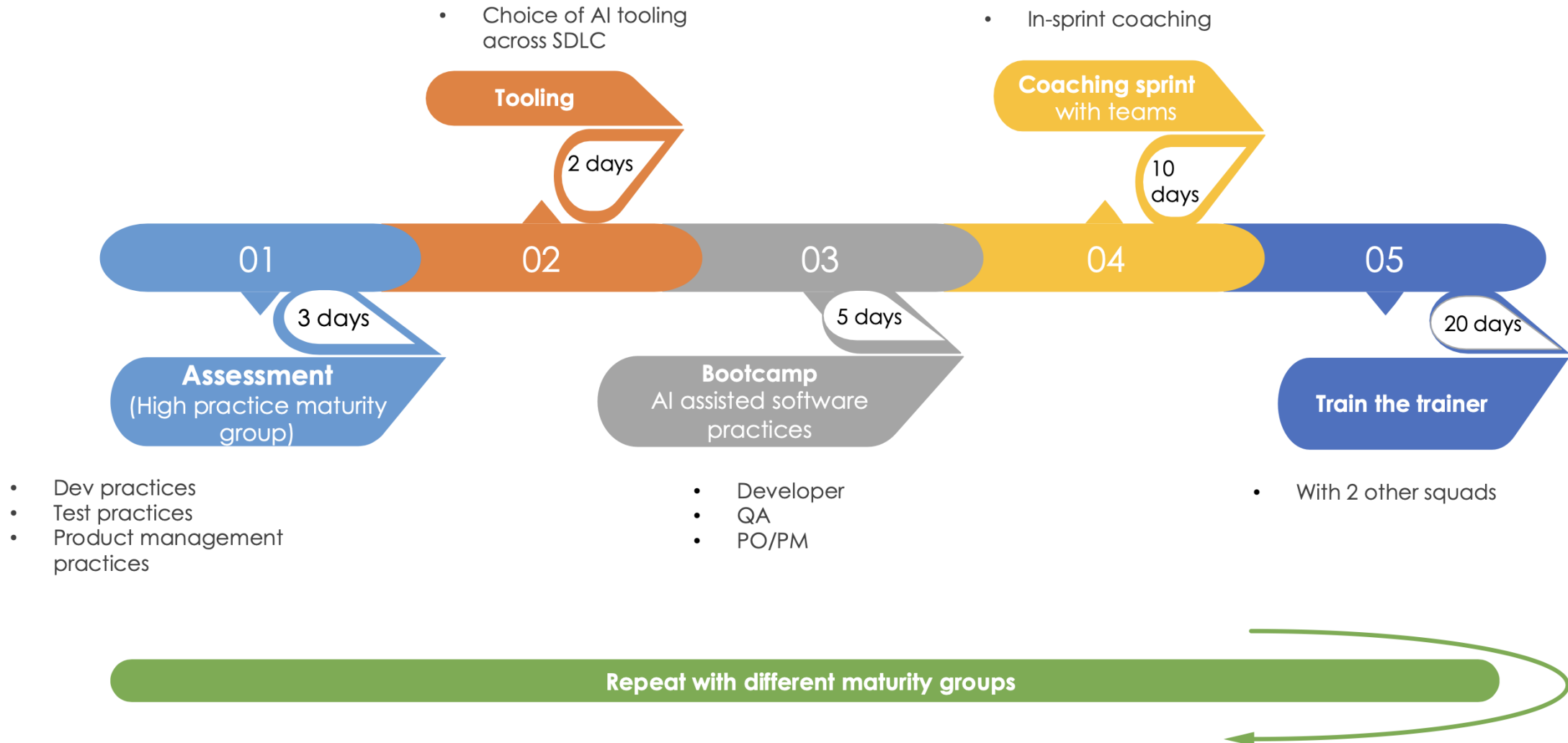
AI MINDSET

TOLERANCE -> ACCEPTANCE -> EMBRACE

OF

UNCERTAINTY, IMPERFECTION & CHANGE

ENHANCE ENGINEERING MATURITY WITH AI



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AI-Augmented Software Engineering

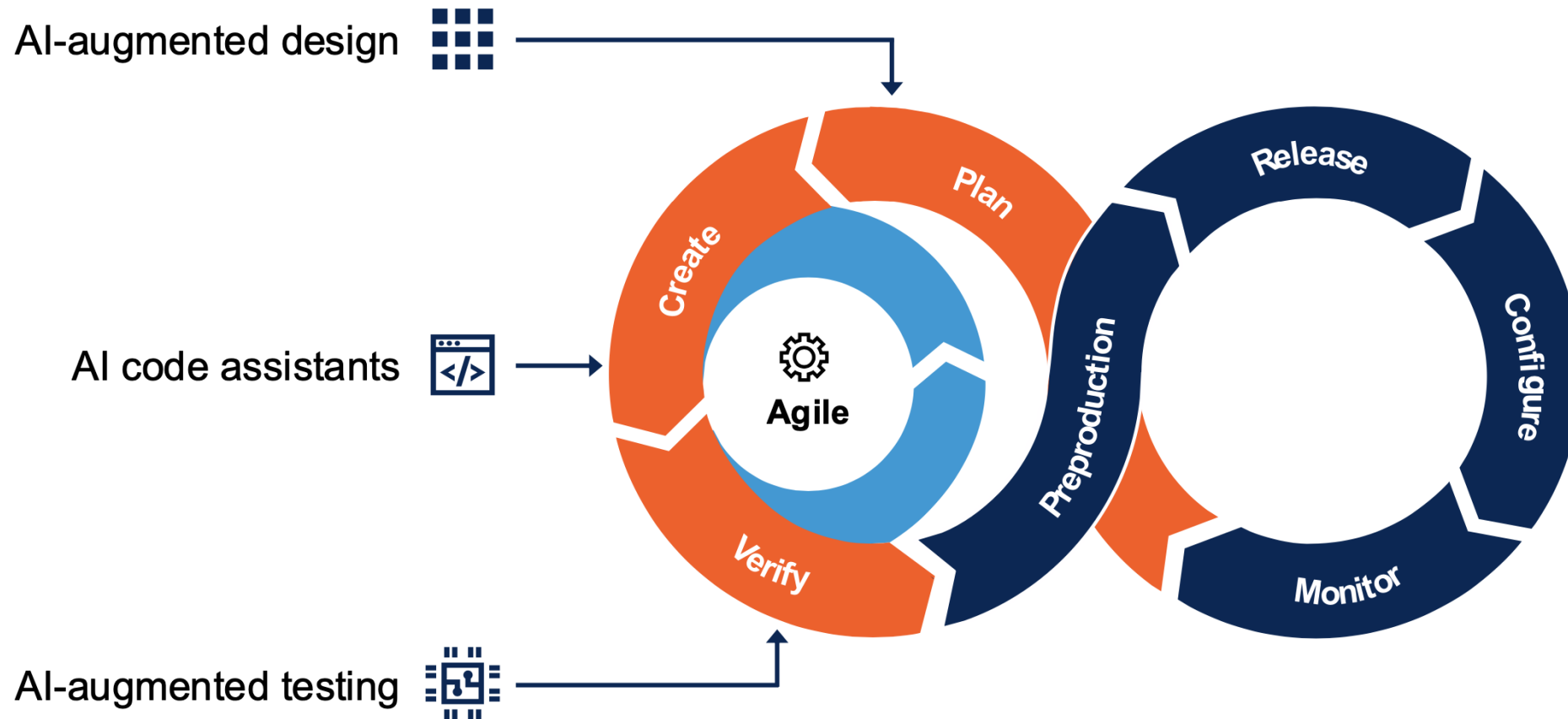


TABLE STAKES

AGENT STAKES

DISCUSSION TIME

**PROMPT: WHAT HAS BEEN YOUR MOST STRIKING
FINDING FROM ADOPTING AI SO FAR?**

DevOn AI service offering

FOR YOUR COMPANY



AI Adoption Support

Through consulting and training we onboard your firm to an appropriate, governed set of AI tools that kick-start your AI Journey at the individual level.



AI Roadmap Due Diligence

With every company rushing to burnish their AI credentials, we help you separate vapourware from durable economic value. We can also teach you to do the same.



AI & Data Platforms

We can provide a cost-effective team to build and integrate the right mix of tools and platforms to put AI to work on your proprietary, existing internal data.

FOR YOUR PRODUCTS



AI Product Consultancy

Our experience in building AI-powered products predates ChatGPT! This means we understand how AI can create a valuable competitive edge.



AI in Software Development

AI is the latest multiplier of software ROI, but it takes more than buying a few tools. Our best practices can be transferred to your software teams to build better, faster.



AI Engineering Teams

For portcos who need to build AI in to their own products, we provide teams that can quickly deliver the roadmap. This fills a key gap in existing software talent.



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INVITATION: TUE 3 JUNE WEBINAR **PEAKZI<>DEVON – AI-POWERED PARTNERS**

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