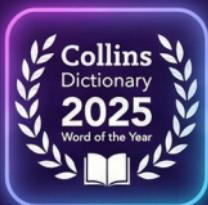


The Rise of Vibe Coding

- Collins Dictionary's 2025 Word of the Year
- Coined by OpenAI's Andrej Karpathy in February 2025
- AI-powered approach to converting natural language into code
- 82% of developers now use AI coding tools daily



What is Vibe Coding?

- Describing desired outcomes in natural language
- AI generates complete code based on user descriptions
- Democratizes software development for non-technical users
- Blends human creativity with AI efficiency



CURRENT ADOPTION & IMPACT



ENGINEERING TEAMS HAVE
ADOPTED AI CODING TOOLS



REPORT ENHANCED PRODUCTIVITY
WITH AI CODE SOLUTIONS



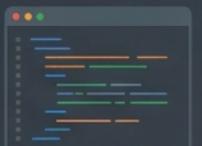
ACHIEVED AT LEAST 25%
PRODUCTIVITY INCREASE



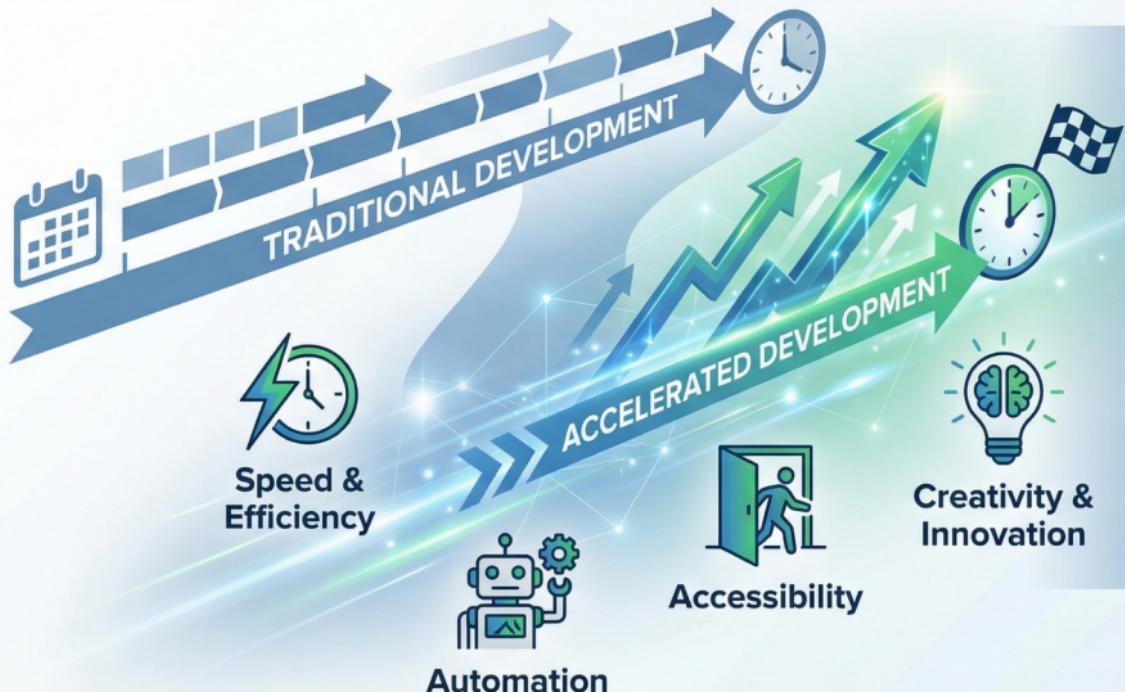
RAPID
PROTOTYPING



FASTER
TIME-TO-MARKET



Key Benefits Driving Adoption



- Accelerated development cycles
- Reduced repetitive coding tasks
- Lower barrier to entry for new developers
- Enhanced creativity through rapid iteration

Current Challenges & Struggles



Code Quality & Consistency Issues

Variability and adherence to standards in AI output



Security Vulnerabilities

Potential introduction of exploitable flaws



Technical Debt Accumulation

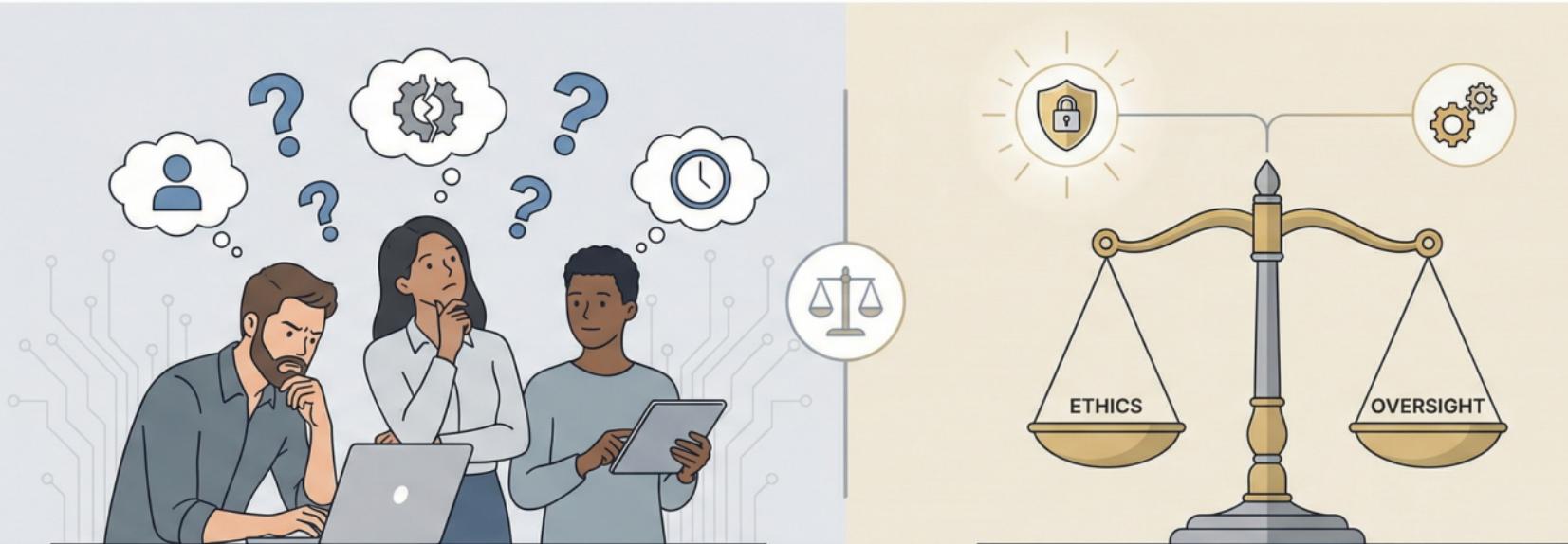
Future maintenance burden and complexity



Developer Skill Degradation

Over-reliance potentially reducing foundational expertise

Developer Skepticism & Backlash



- ▶ Fear of job displacement and skill obsolescence
- ▶ Quality control and testing challenges



- ▶ Ethical concerns about AI dependency
- ▶ Need for proper guardrails and oversight

The Future of Vibe Coding



Hybrid human-AI collaboration models



Autonomous coding agents for routine tasks



Enhanced security and quality controls



New developer roles:
AI prompters and validators



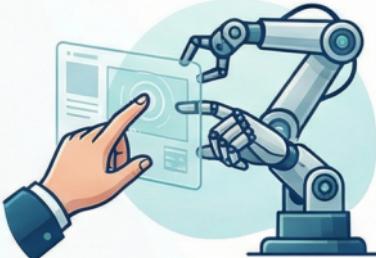
Key Takeaways & Recommendations



Use vibe coding for prototyping,
not production.



Maintain
strong human
oversight for
critical systems



Invest in AI
literacy and
new skill
development



Balance speed with
security and quality



SPEED



SECURITY &
QUALITY

