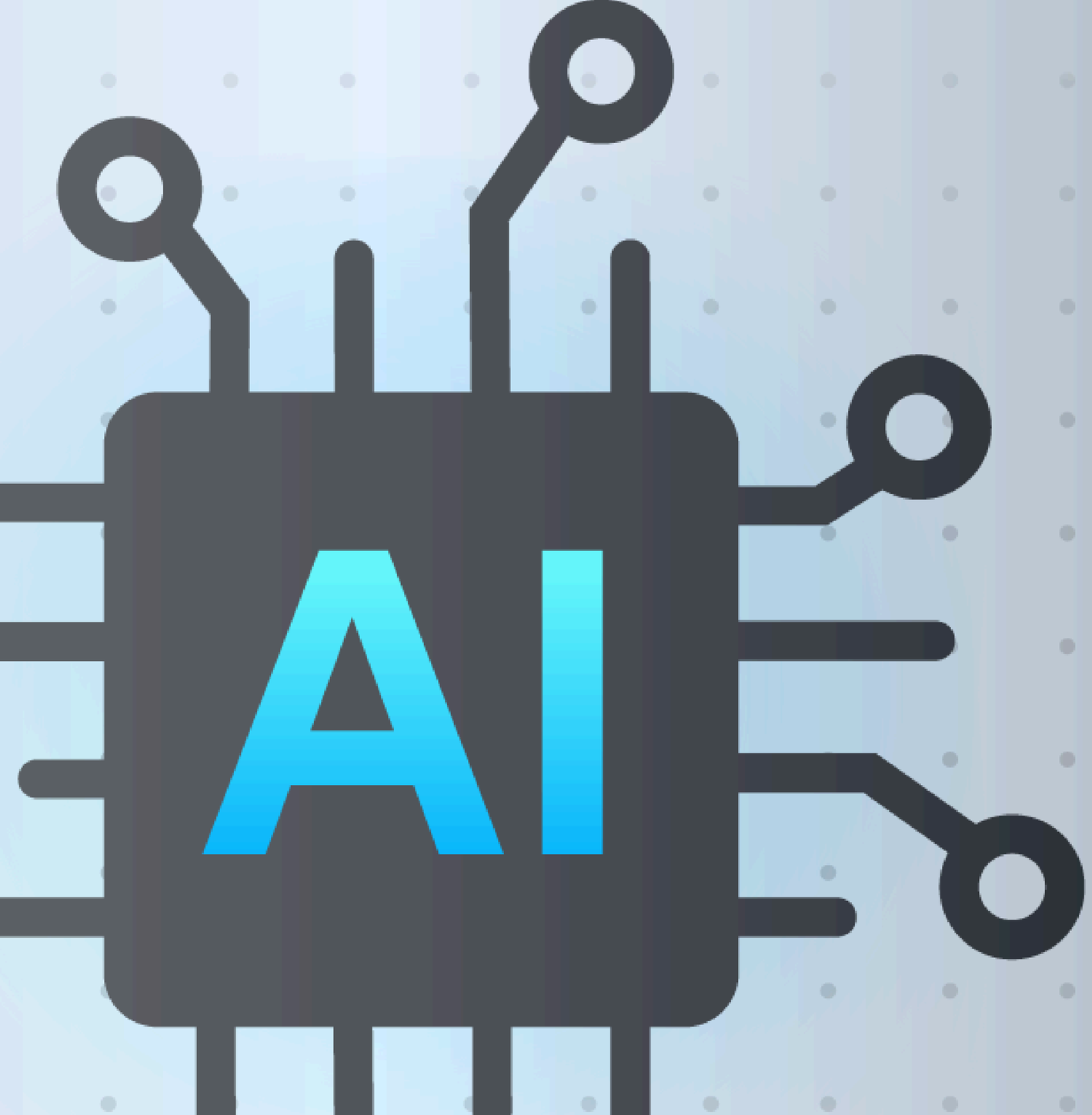
The Risks of 'Vibe Coding' in Modern Software Development

When AI-Generated Code Becomes a Professional Liability

Ronald, Nicolas



Summary

1. Introduction

Vibe coding ?

the act of generating code through AI prompts
without understanding how the code works

not
understand

developers
must

security

not good
no context

laws

2. **Technological watch**

Databricks = risks of vibecoding

IBM = Benefits & limits

Github Copilot = suggestions & limitations

OWASP = security rules

Stack Overflow = examples of insecure AI answers

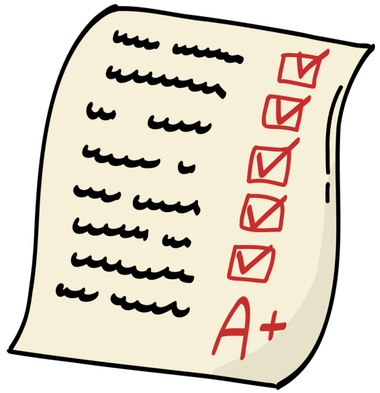
3. **Comparative analys**

Criteria	AI-Only	Human-Only	Hybrid
Speed	Very fast	Slow	Fast
Quality	Inconsistent	High	Good & stable
Security	Risky	Safe	Safe (with reviews)
Effort	Low effort	High effort	Balanced
Best Use	Simple tasks	Critical tasks	Production work
Verdict	Not reliable	Too slow alone	Best choice

4. Critical Synthesis

What we recommend

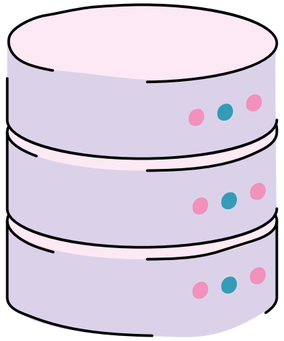
assistant



review
refactor
test

Prioritize

Verifiy



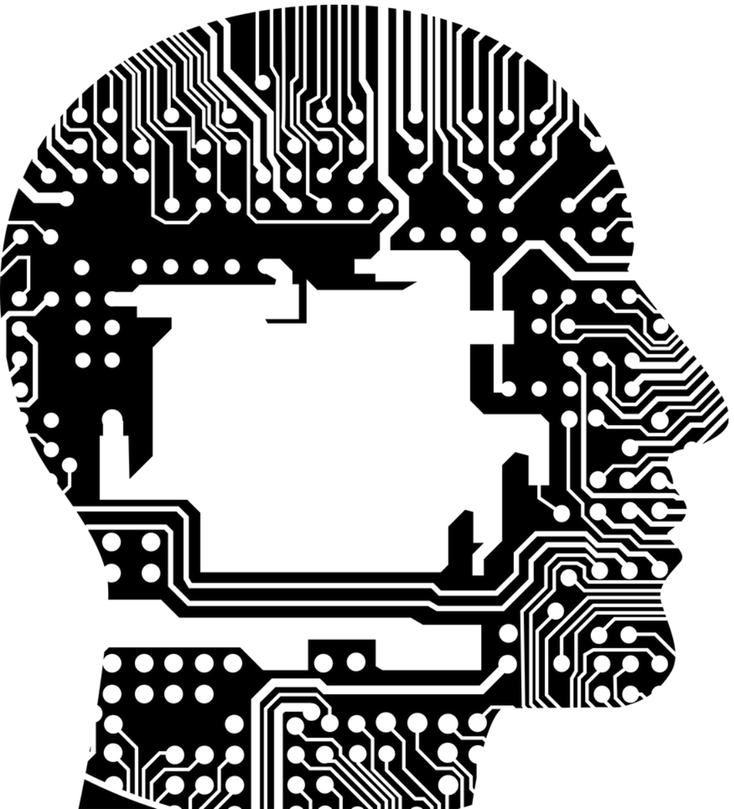
Avoid
using 100%

Why ? **AI use outdated patterns, and produce insecure logic.**

Only a human developer can understand : context, business rules, and security constraints.

5. Conclusion

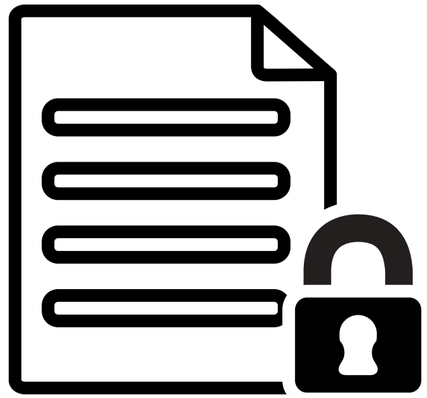
- **AI increases productivity but introduces new risks**
- **Human understanding remains essential**
- **Security must guide all development choices**
- **Hybrid workflows are the most efficient and safest**



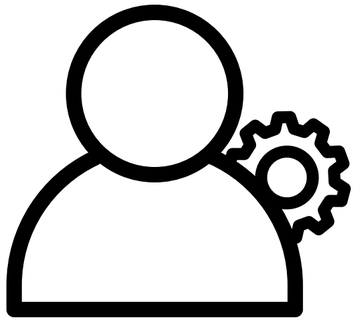
Combining AI tools with human expertise best approach

Human + AI = Success

What should be monitored in the future



Remaining uncertainties



Thanks you for listening !!