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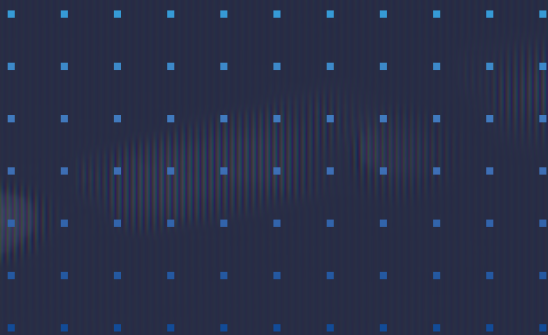


### Silver





| by *developers*  
for *developers*



# *HOW WILL AI AFFECT* **YOUR** *JOB?*

AND WHAT CAN YOU DO ABOUT IT?

Michael Burchett - Agilist

# About the Speaker



- Senior Agilist at Callibrity.
- 10+ years of experience in software, primarily in Agility but also including Product Management, Business Analysis, and Software Development.



# The Twilight Zone (The Brain Center at Whipple's, 1964)

These are the players — with or without a scorecard. In one corner a machine; in the other, [a human]. And the game? It happens to be the historical battle between flesh and steel, between the brain of man and the product of man's brain. We don't make book on this one and predict no winner....but we can tell you for this particular contest, there is standing room only.



# Why Now?

~1973 - Lighthill Report comes out, calling out that current computers cannot handle AI, ushering in "AI Winter"

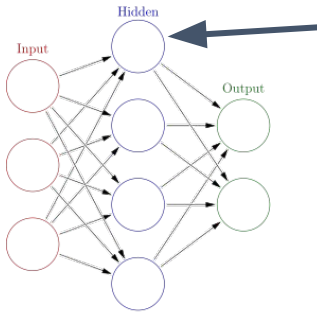
Today

AI Winter

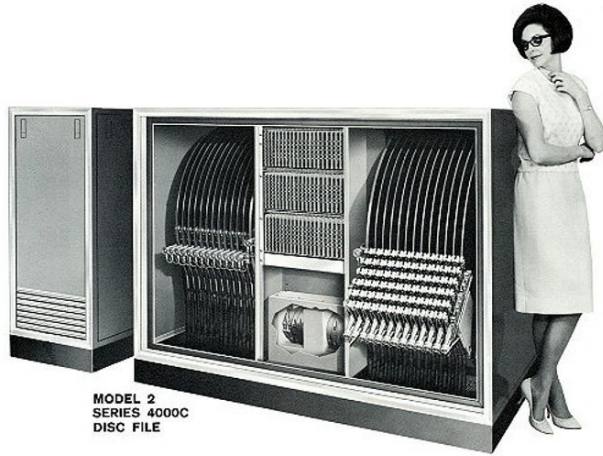
AI Spring

Late 2010s - Enhancements in technology lead to "AI Spring"

1958 - Invention of the Perceptron (excitement regarding AI begins)



# Why Now?



1959  
205 MB



1980  
700 MB

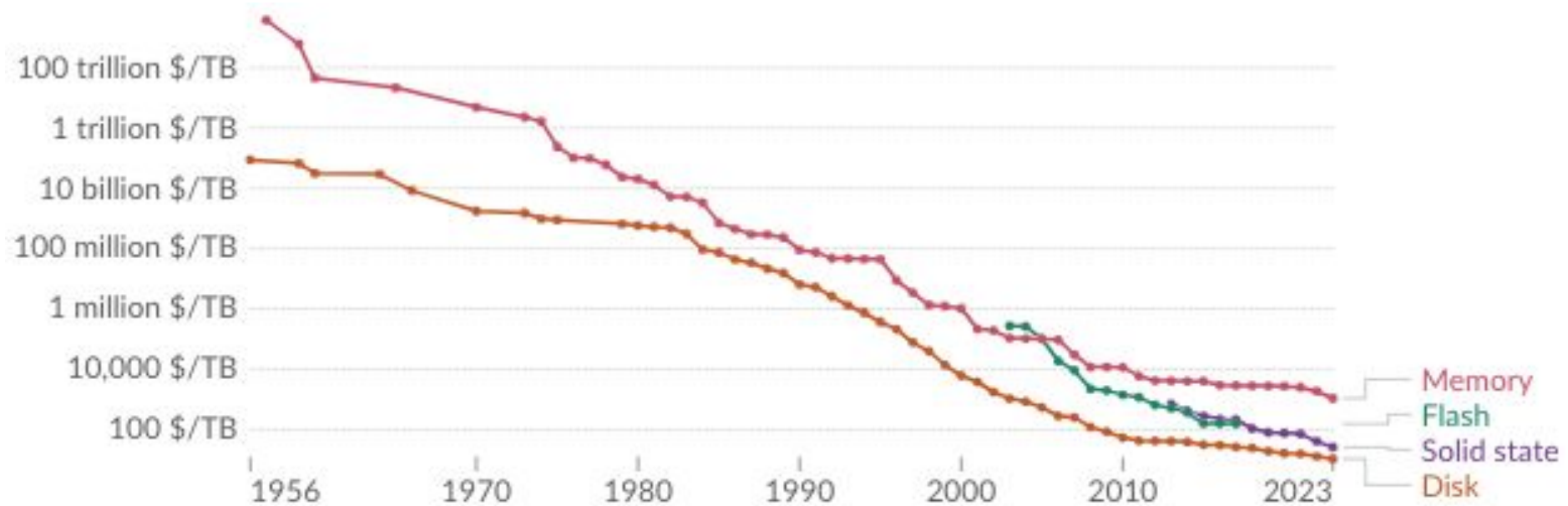


Today  
1TB



# Why Now?

Price Per TB of Data - 1956 - 2023



# Why Now?



1969

1 MHz

4,000 Transistors



Today

4 GHz

Over 100,000,000,000 Transistors





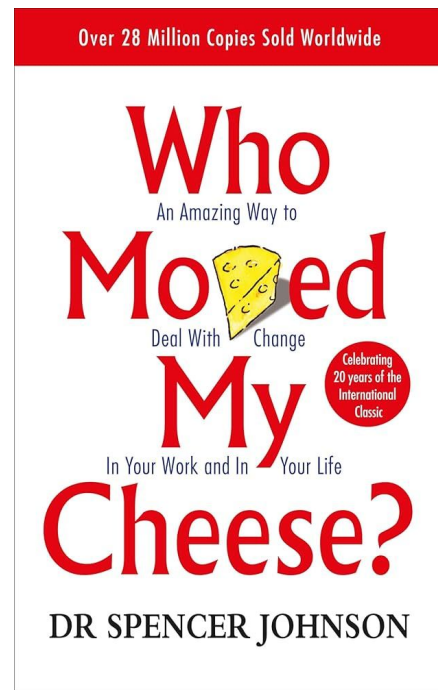
# Why Now?

So Why now? Because technology is finally making the use of Neural Networks (which were invented in the late part of the 20th century) practical.



# The Writing On The Wall

- **Change Happens.** They Keep Moving The Cheese.
- **Anticipate Change.** Get Ready For The Cheese To Move.
- **Monitor Change.** Smell The Cheese Often So You Know When It Is Getting Old.
- **Adapt To Change Quickly.** The Quicker You Let Go Of Old Cheese, The Sooner You Can Enjoy New Cheese.
- **Change.** Move With The Cheese.
- **Enjoy Change!** Savour The Adventure And Enjoy The Taste Of New Cheese!
- **Be Ready To Change Quickly And Enjoy It Again & Again.** They Keep Moving The Cheese.



# Generic Thoughts

## DO:

- ALWAYS be adaptable. Where is the cheese moving?
- Learn about AI.
- Leverage AI for your benefit.
- Focus particularly on learning the skills in your role that AI is not as good at.

## DON'T:

- Blindly stick to your guns.
- Blindly use AI, especially for tasks requiring high accuracy or where consequences for error are significant.
- IF it becomes apparent that your job is in danger, move on.



# Roles To Be Discussed

- Agility
- Software Development
- Product Management
- Quality Engineering
- Dev Ops



# Agility

## Potential Disruptions:

- ChatGPT-like answer to questions about Agility instead of you.
- AI can Schedule meetings, create agendas, and summarize meetings instead of you.
- AI can create reports, run reports, summarize reports, and send reports instead of you.



# Agility

## Opportunities (What Can You Do?):

- Break free from the “Glorified Admin” role.
- Leverage tools mentioned here for your advantage.
- Become someone who fights for your team.



# Agility

## Resources:

- ChatGPT, or alternatives such as Google Gemini or Microsoft CoPilot
- Reclaimai, Motion, or Clara, or other alternatives
  - Meeting Scheduling.
- Atlassian Intelligence
  - Natural language bot for Jira and other Atlassian products.



# Software Development

## Potential Disruptions:

- AI can write code instead of you.
- AI can suggest refactors to improve performance or readability instead of you.





# Software Development

## Opportunities (What Can You Do?):

- Utilize AI to free you up to work on higher level problems.
- Utilize code generation the same way you would have used Stack Overflow in the past.
- Utilize tools to restructure code for performance or readability, upping your game.
- Learn how to develop AI.
- Contextual Outputs and Domain Knowledge.



# Software Development

## Resources:

- ChatGPT, or alternatives such as Google Gemeni or Microsoft CoPilot
- GitHub Copilot
  - Most widely used AI developer resource.



# Product Management

## Potential Disruptions:

- AI will help draft user stories, acceptance criteria, and requirements instead of you.
- AI will assist in basic UI design instead of you.
- AI can take user feedback from various sources and create meaningful insights instead of you.
- AI can generate User Personas, Journey Maps, etc. instead of you.



# Product Management

## Opportunities (What Can You Do?):

- Less time in admin work, more time making meaningful software decisions.
- AI does BASIC UI design, leaving more complex elements to human teams.



# Product Management

## Resources:

- [ChatGPT](#), or alternatives such as [Google Gemini](#) or [Microsoft CoPilot](#)
- [Kraftful](#)
  - Connect a feedback source and craft user stories.
- [Synthetic Users](#)
  - Use AI-like users to run market and product research.
- [QoQo](#)
  - Create User Personas and Journey Maps.
- [Userdoc](#)
  - Create User Stories.



# Quality Engineering

## Potential Disruptions:

- AI can create test plans during the requirements and/or development stage instead of you.
- AI can write automated tests from requirements and/or development instead of you.
- AI can self-heal broken tests instead of you.
- AI can create valid test data instead of you.
- AI can do “Visual Comparison” to make sure things “look right” instead of you.



# Quality Engineering

## Opportunities (What Can You Do?):

- Utilize AI to close organizational gaps, upping your game.
- Contextual Outputs and Domain Knowledge.
- Creatively look for ways to “break the app” that AI is not good at looking for yet.



# Quality Engineering

## Resources:

- ChatGPT, or alternatives such as Google Gemini or Microsoft CoPilot
- GitHub Copilot
  - Automated Test creation from code.
- Functionize, Katalon, Testim, Aplitools, and more
  - AI test creation.





## Potential Disruptions:

- AI can automatically create, version, optimize, and manage releases for CI/CD pipelines instead of you.
- AI can automatically manage containerization instead of you.
- Self healing of development Infrastructure instead of you managing it.
- AI can locate trends in app performance to catch issues before they become issues instead of you.
- AI can create queries for monitoring applications instead of you.



# DevOps

## Opportunities (What Can You Do?):

- Utilize AI to close organizational gaps, upping your game.
- Contextual Outputs and Domain Knowledge.



# DevOps

## Resources:

- ChatGPT, or alternatives such as Google Gemini or Microsoft CoPilot
- Dynatrace Davis AI
  - Predictive analysis, query generation, and more.
- Splunk Machine Learning
  - Predictive analysis, query generation, and more.
- Kubeflow
  - Machine Learning Toolkit for Kubernetes.



dynatrace



Kubeflow



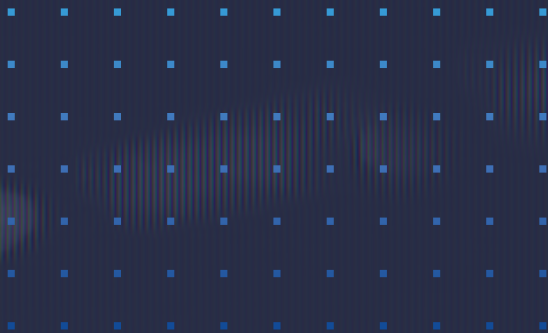
# Final Thoughts

- Be Adaptable.
- Be Curious.
- Know YOUR business well.
- Enjoy AI.





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QUESTIONS?