TRIBAL KNOWLEDGE

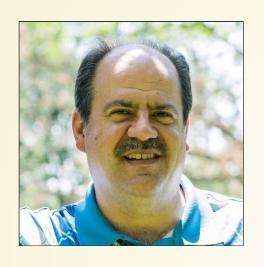
in

AGILE TEAMS

Jeffrey A. Miller - @xagronaut

KNOWLEDGEPLAYBOOK.COM

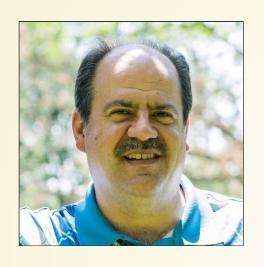
JEFFREY A. MILLER





- Full stack Microsoft developer
- Certified Neo4j developer
- Continuous Delivery lead
- Conference speaker

JEFFREY A. MILLER





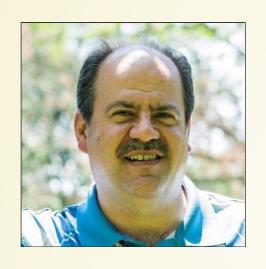
@xagronaut *Manife*linkedin.com/in/jamiller
jmiller@manifestcorp.com

- Full stack Microsoft developer
- Certified Neo4j developer
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- Conference speaker
- Children's author ("Skeeters")



skeeterbooks.com

JEFFREY A. MILLER





- Full stack Microsoft developer
- Certified Neo4j developer
- Continuous Delivery lead
- Conference speaker
- Children's author ("Skeeters")
- New dad



skeeterbooks.com



PRESENTATION

intentionally

LEFT BLANK





TRIBAL KNOWLEDGE?

INFORMATION KNOWN WITHIN A TRIBE but UNKNOWN OUTSIDE -

Wikipedia

IMAGINE...





ARE YOU FEELING...

ARE YOU FEELING... EMBARASSMENT?

ARE YOU FEELING... EMBARASSMENT? FRUSTRATION?

ARE YOU FEELING... EMBARASSMENT? FRUSTRATION? ANGER?

ARE YOU FEELING... EMBARASSMENT? FRUSTRATION? ANGER?

#TRIBAL_KNOWLEDGE_FAIL



STOP

STOP IT'S NOT YOUR FAULT!



THE PROBLEM

LEAKS WILL COST YOU

- Waiting for answers
- Introduction of defects
- Outages
- Non-adherence to standards
- Rework

WHEN DO LEAKS HAPPEN?









RETIREMENT



OUT SICK! :-(





OR WORSE...

OR WORSE...

PASSED AWAY SUDDENLY

WHY THIS IS HARD

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You can't know everything

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- Not enough time
- Past failures/apathy
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THE SOLUTION?

THE SOLUTION? LET'S NOT DO THIS AGAIN



LETS TIME TRAVEL!

IMAGINE...

IMAGINE... YOU'RE SMILING!!??





Situational guidance

- Situational guidance
- Reference material

- Situational guidance
- Reference material
- Checklists
- Templates

- Situational guidance
- Reference material
- Checklists
- Templates
- Questions

- Situational guidance
- Reference material
- Checklists
- Templates
- Questions
- KIT = Keep It Together

KNOWLEDGE BASE PICK ONE

- OneNote or Wiki
- Found reference
- Troubleshooting notes
- Pick one, stick with it
- Do it now

https://wikimatrix.org/



WHY WIKI WORKS

- Participation is welcome by default
- Information is more discoverable
- New content is introduced easily
- Out-of-date content is easily updated
- Intent is expressed before action

KNOWLEDGE

WORTH CAPTURING

STRATEGY: START WITH YOURSELF

Personal capture methods turn ideas into action!

Paper: Notebook or Journal

- Paper: Notebook or Journal
- OneNote or EverNote

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- OneNote or EverNote
- Simple Word docs

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- OneNote or EverNote
- Simple Word docs
- Whiteboard photos

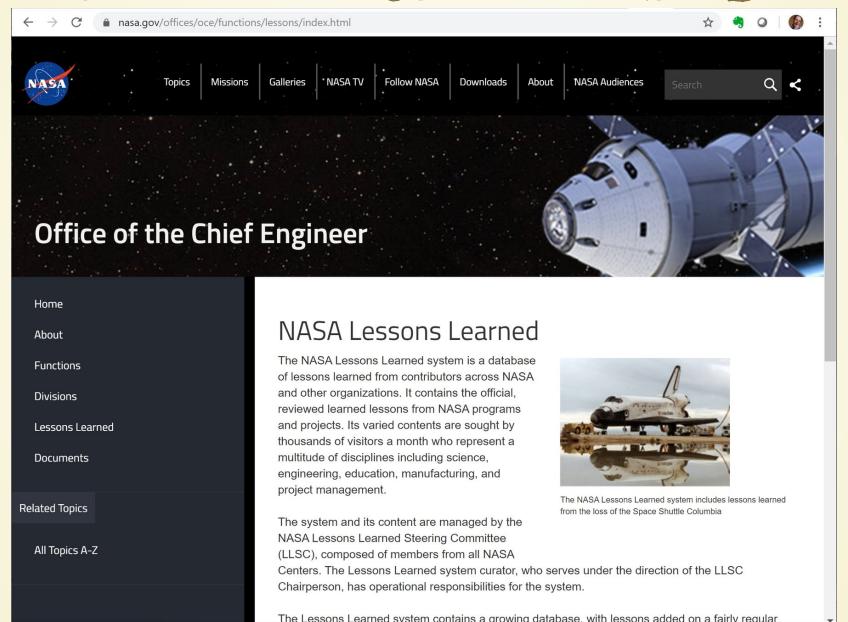
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- Simple Word docs
- Whiteboard photos
- Mind maps (Freeplane!)

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- Simple Word docs
- Whiteboard photos
- Mind maps (Freeplane!)
- Snaglt (\$) or Greenshot (free)

STRATEGY:

MAKE RETROSPECTIVES COUNT

NASA LESSONS LEARNED



TIP: NAME YOUR LESSONS

ARTICULATE THEM, IN WRITING DEBRIEF YOURSELF (QUICKLY!)

TIP: NAME YOUR LESSONS

ARTICULATE THEM, IN WRITING DEBRIEF YOURSELF (QUICKLY!)

DON'T LET A BAD PROJECT BE VAGUELY BAD. NAME THE PROBLEMS.

USE RETRO RESULTS IN PLANNING

Review past retrospectives after each release and each quarter. Put worthwhile changes on the backlog.

STRATEGY: BLAMELESS POSTMORIEMS

IMPROVE YOUR ONBOARDING







WHATS THIS LIGHT?



GOOGLE SEARCH: "TOW/HAUL"

SITE:UHAUL.COM

GOOD SERVICE. TRUCK WORKED OK,
...THE LIGHT FOR TOW/HAUL WAS ON THE

ENTIRE TIME.

CLEARER INSTRUCTION ON THE HOW AND WHY OF "TOW/HAUL" INDICATOR LIGHT.

IT POPS ON AS A DEFAULT AND
GREATLY INCREASES GAS CONSUMPTION
IF ONE ISN'T HAULING A TRAILER OR
PULLING A CAR.

THE STAFF WAS FRIENDLY...

I WISH THE TOW/HAUL FEATURE

WOULD HAVE BEEN EXPLAINED TO ME

IN THE BEGINNING.

I GOT INTO THE TRUCK AND STARTED IT, THE TOW HAUL LIGHT WAS ON,

I CALLED THE OFFICE BEFORE I LEFT...TO ASK
WHAT THE LIGHT WAS ON FOR?

...THE MAN IN THE OFFICE EXPLAINED IT TO ME...

I GOT INTO THE TRUCK AND STARTED IT, THE TOW HAUL LIGHT WAS ON,

I CALLED THE OFFICE BEFORE I LEFT...TO ASK
WHAT THE LIGHT WAS ON FOR?

...THE MAN IN THE OFFICE EXPLAINED IT TO ME...

WITHOUT MAKING ME FEEL STUPID.

Always think like "the new guy"

- Always think like "the new guy"
- Consider the perspective of others

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- Work together to update the docs

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- Consider the perspective of others
- Work together to update the docs
- Create a record...or recording!

BOOKMARKS ARE A NEWBIE'S BEST FRIEND

- Googling is fun, but it's expensive
- Examples of good bookmarks:
 - SharePoint docs you've found
 - Internal resources
 - Timesheet system
 - Help Desk/Service Requests
- Easy to do, export/import works!



UNDISCOVERED TREASURE



UNDISCOVERED TREASURE



IS WORTHLESS

DEMO YOUR DOCS AND TOOLS

Share what you've created during iteration reviews to help spread the word to the your team. Way to go!

DISCOVERABILITY

- Put things where they can be found
- Spell correctly
- Avoid acronyms and jargon
- Make links from other places
- Pick good stand-alone titles

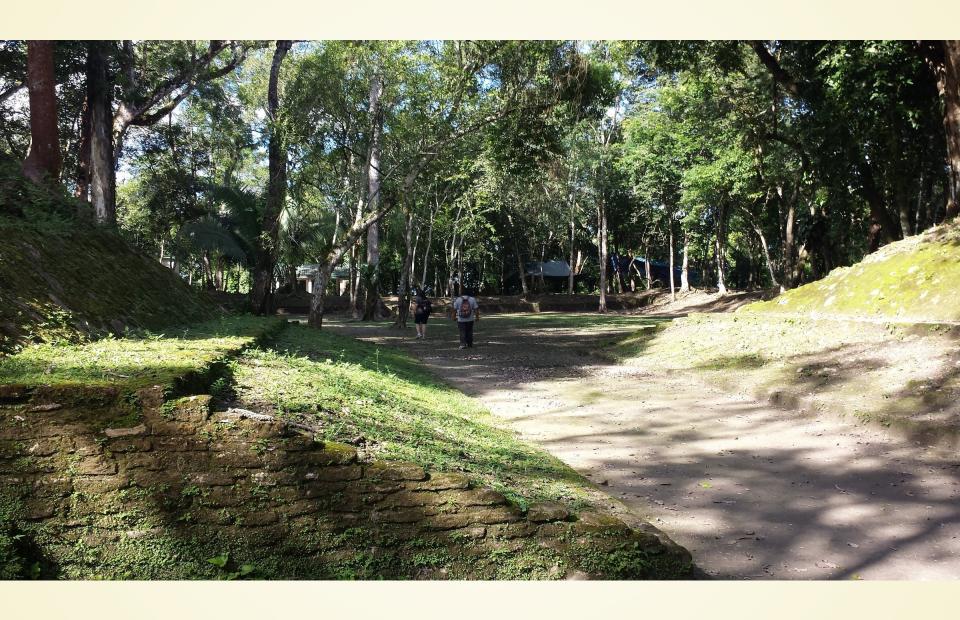
BIG & VISIBLE

Make sure the team has the best chance of seeing need info.

Posters for the win!

KNOWLEDGE WORTH SAVING

SCAVENGER HUNT A.K.A "ARCHAEOLOGY"





SHAREPOINT

"Where information goes to die!"



SHAREPOINT

"Where information goes to die!"

JUST KIDDING (MOSTLY)

SCAVENGER HUNT: RAID SHAREPOINT

SCAVENGER HUNT: MINE YOUR HARD DRIVE

TRANSFORM EMAIL

EMAIL WOES

- long, messy threads
- read? who knows?
- cluttered mailboxes
- retention limits

MAKE EMAIL WORK

MAKE EMAIL WORK

Create smart categories:
 Knowledge Base and Onboarding

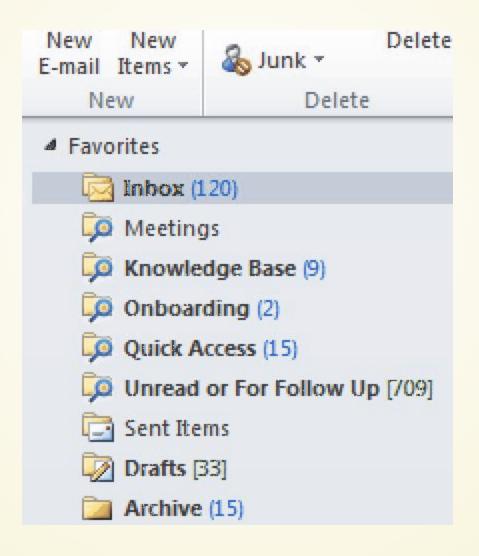
MAKE EMAIL WORK

- Create smart categories:
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- Create Quick Steps for quick filing

MAKE EMAIL WORK

- Create smart categories:
 Knowledge Base and Onboarding
- Create Quick Steps for quick filing
- Create Search Folders to find fast

SEARCH FOLDERS



AND WORK!

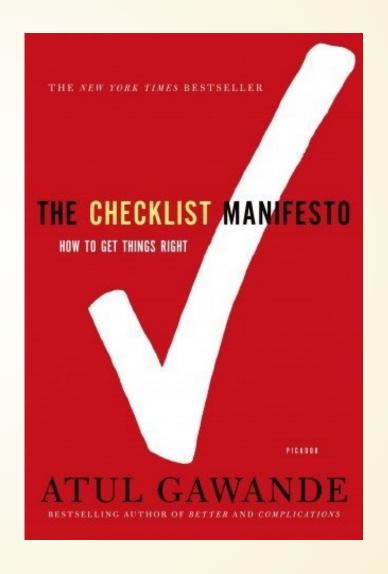
- Automate common responses and infrequent requests
- Use email signatures for common copy
- Send to OneNote can work wonders



CHECKLIST MANIFESTO

by Atul Gawande







SURGICAL SAFETY CHECKLIST (FIRST EDITION)

e induction of anaesthesia Before patient leaves operating r TIME OUT SIGN OUT NI N PATIENT HAS CONFIRMED CONFIRM ALL TEAM MEMBERS HAVE NURSE VERBALLY CONFIRMS WITH THE IDENTITY INTRODUCED THEMSELVES BY NAME AND TEAM: SITE ROLE PROCEDURE THE NAME OF THE PROCEDURE RECORD CONSENT SURGEON, ANAESTHESIA PROFESSIONAL AND NURSE VERBALLY CONFIRM THAT INSTRUMENT, SPONGE AND NEED SITE MARKED/NOT APPLICABLE PATIENT COUNTS ARE CORRECT (OR NOT APPLICABLE) SITE ANAESTHESIA SAFETY CHECK COMPLETED PROCEDURE HOW THE SPECIMEN IS LABELLED PULSE OXIMETER ON PATIENT AND FUNCTIONING ANTICIPATED CRITICAL EVENTS (INCLUDING PATIENT NAME) DOES PATIENT HAVE A: SURGEON REVIEWS: WHAT ARE THE WHETHER THERE ARE ANY EQUIPMENT CRITICAL OR UNEXPECTED STEPS, PROBLEMS TO BE ADDRESSED KNOWN ALLERGY? OPERATIVE DURATION, ANTICIPATED BLOOD LOSS? SURGEON, ANAESTHESIA PROFESSIONA YES AND NURSE REVIEW THE KEY CONCERN ANAESTHESIA TEAM REVIEWS: ARE THERE FOR RECOVERY AND MANAGEMENT DIFFICULT AIRWAY/ASPIRATION RISK? ANY PATIENT-SPECIFIC CONCERNS? OF THIS PATIENT NO YES, AND EQUIPMENT/ASSISTANCE AVAILABLE NURSING TEAM REVIEWS: HAS STERILITY (INCLUDING INDICATOR RESULTS) BEEN RISK OF >500ML BLOOD LOSS CONFIRMED? ARE THERE EQUIPMENT (7ML/KG IN CHILDREN)? ISSUES OR ANY CONCERNS? NO YES, AND ADEQUATE INTRAVENOUS ACCESS HAS ANTIBIOTIC PROPHYLAXIS BEEN GIVEN AND FLUIDS PLANNED WITHIN THE LAST 60 MINUTES? YES NOT APPLICABLE IS ESSENTIAL IMAGING DISPLAYED? YES NOT APPLICABLE

KLIST IS NOT INTENDED TO BE COMPREHENSIVE. ADDITIONS AND MODIFICATIONS TO FIT LOCAL PRACTICE ARE ENCOURAGED.

EFFECTIVE CHECKLISTS

- Stick to one page
- Use natural "pause points"
- Use dark text on a light background
- Are not a tutorial
- Protect against mistakes
- Use the right type:
 - Read-Do vs. Do-Confirm

STRATEGY:

AUTOMATE YOUR KNOWLEDGE!

INSPECTOR VIEWS

- Database view that demonstrates a problem
- Confirms the current state
- Contains troubleshooting info

TEMPLATES

- mailto: links can do more!
- Embed them in documents
- Code generation
- Code snippets, keystrokes, macros
- Common AND infrequent requests

TEMPLATES

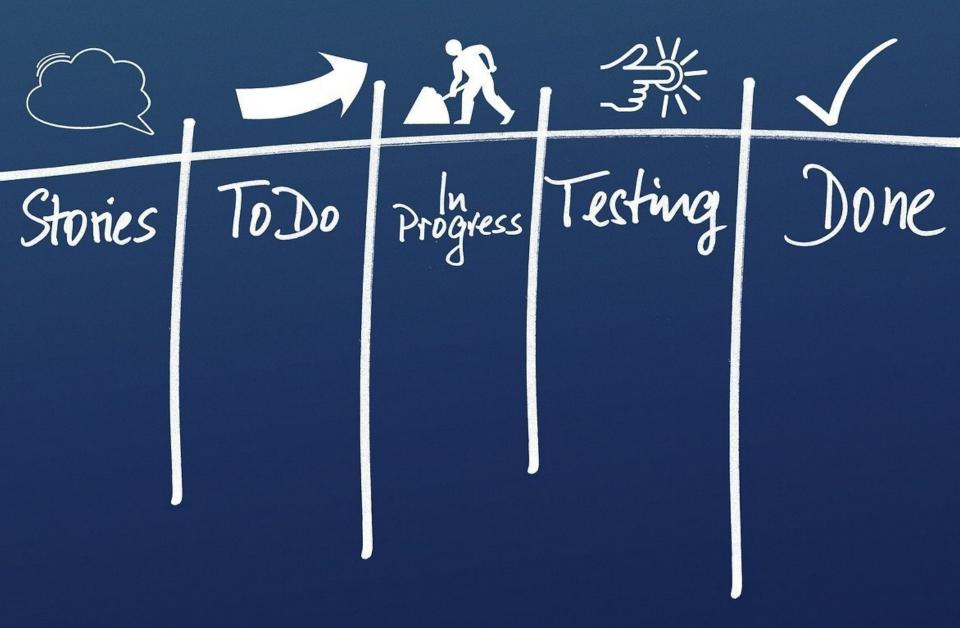
- mailto: links can do more!
- Embed them in documents
- Code generation
- Code snippets, keystrokes, macros
- Common AND infrequent requests
 - "CRUD mutator" workflow

STRATEGY:

ASK POWERFUL QUESTIONS

STOP LEAVING OTHERS OUT!

ASK: WHO HAVE I MISSED?









ASK: WHAT DID WE DO LAST TIME?



LUNCH-AND-LEARN

- Learn something new
- Demonstrate your learning
- Practice your speaking skills
- Build buy-in for new tech
- Duh...Lunch!

INVEST IN OTHERS

- Blog about it & build an audience
- Release examples on Github
- Answer Q's on Stack Overflow
- Use social media to help seekers





Writing tests together increases your bus number...*fast!*

PULL REQUESTS + CODE REVIEWS

GitHub Enterprise & Azure DevOps can enforce a pull request/code review model. Great idea!

NOW WHAT?

- Start now
- Start small
- Start with yourself
- Up your game!
- Make something great
- Share with others
- Build momentum

ATTITUDE?

18 Then I hated all my labor in which I had toiled under the sun, because I must LEAVE IT TO THE MAN WHO WILL COME AFTER ME.

19 And WHO KNOWS WHETHER HE WILL BE WISE OR A FOOL? YET HE WILL RULE OVER ALL MY LABOR ... This also is <u>vanity</u>.

King Solomon - Ecclesiastes 2:18-19 (NKJV)

STOP MAKING EXCUSES!





LONER?



OR LEADER?

LEAVE IT BETTER!

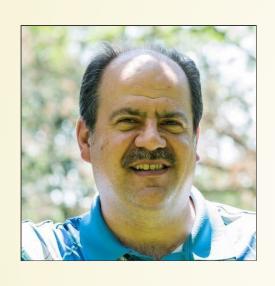
Try to LEAVE THIS WORLD

A LITTLE BETTER THAN YOU FOUND IT and, when your turn comes to die, you can die happy in feeling that at any rate

YOU HAVE NOT WASTED YOUR TIME but have DONE YOUR BEST.

Robert Baden-Powell

Slides at: KNOWLEDGEPLAYBOOK.COM



JEFFREY A. MILLER

@xagronaut
linkedin.com/in/jamiller
jmiller@manifestcorp.com

Check out Skeeters: skeeterbooks.com

