

Why I Love Test Automation.

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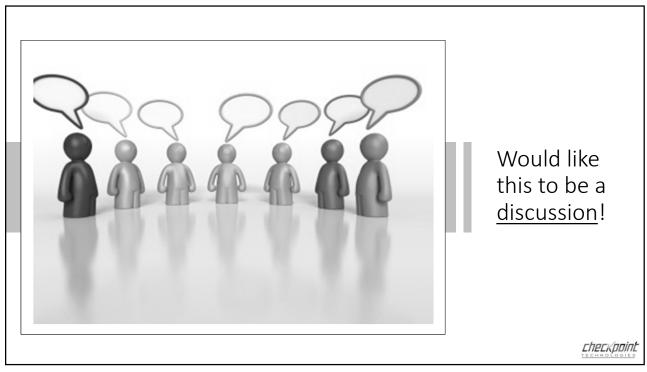
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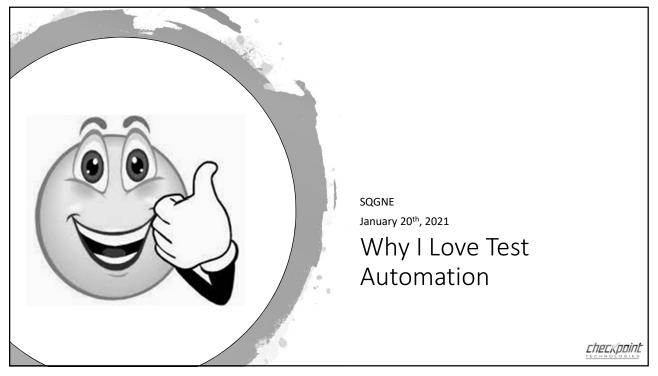


About Bob Crews

- CEO/Co-founder of Checkpoint Technologies, Inc.
- 32 years IT experience
- 22 years with focus on QA and QC
 - Test Automation
 - Risk Analysis
 - Test Planning
 - Effective Test Case Design

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10. Obvious Benefits

- o Speed
- Increases coverage
- o Eliminates tedious validation
- o Allows tester to focus on analysis, resolution, and other critical tasks

ENECKPOINE TECHNOLOGIES

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9. Minimizes "Yeah, it's close enough" Validation

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7. Enables transition to CI/CD and DevOps

6. Enables us to take on exciting new initiatives

IoT/IoE

Big Data

Machine-learning

Artificial Intelligence

Etc.

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5. Can provide "easy" automation for those without automation expertise

Integrate with framework

Business Processing approach

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4. Can be part novel workarounds to technical challenges

• Example 1

Challenge: Built-in OCR was failing/inconsistent. OCR not great at differentiating between O's and O's (zeros) and I (eyes) and 1's (ones)

Solution: Copy everything to clipboard providing literal text (actual string) eliminating need for OCR to "guess" at the string. OCR not great at differentiating between O's and 0's (zeros) and I (eyes) and 1's (ones)

• Example 2

Challenge: Automated test needed to be kicked-off once a batch file was created.

Solution: Developed automated process to check directory for existence of the batch file and, once exist, kicked off automated process.

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3. Automation tools evolving rapidly



SCRIPT-LESS VS. SCRIPTLESS



RPA

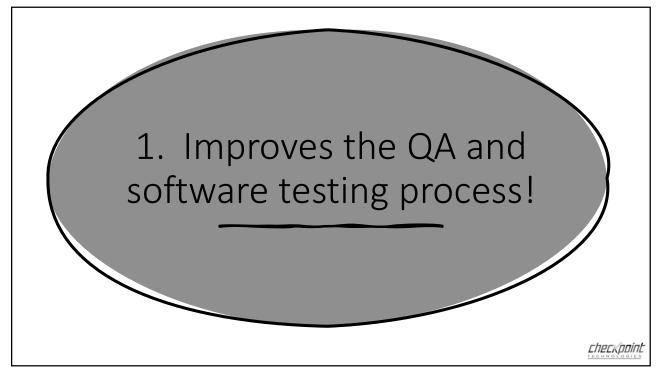


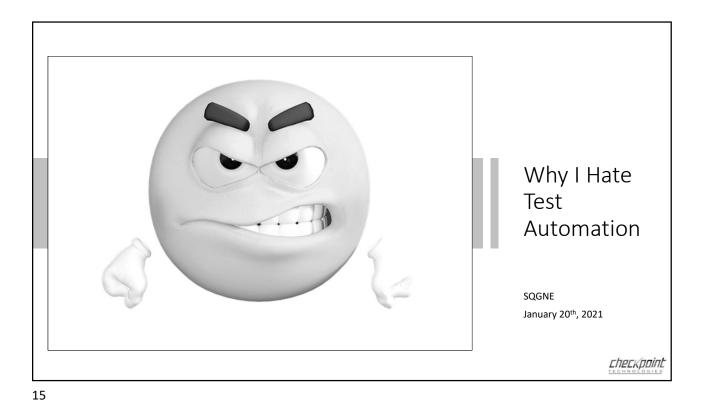
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2. Increases career opportunities for QA and Software Testing Engineers

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10. "Red Durango" syndrome...use to go everywhere!

- Increases likelihood tests, that should have been left manual, get automated
- Increases likelihood of over-testing
- Waste time
- Increase maintenance
- Makes test library more challenging to manage

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9. Increases perception that developer are, obviously, excellent testers

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8. Application Overhauls

Especially when lack of communication between DEV and QA/QC

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Erratic Applications

or

"How I ended up with over 2 minutes of 'wait' statements in my script"



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6. Sloppy Scripters

- ✓ Include meaningful description
- ✓ Comment your code
- ✓ Indent
- ✓ Use good coding practices
- ✓ Have naming conventions

5. Automation Tool Issues and Malfunctions

- Poor documentation
- Lack of support (on-line or otherwise)
- Difficulty in finding/hiring expertise
- Steep learning curve
- Tool breaks...a lot!

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4. Objects that just don't want to be learned

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3. Lack of Knowledge / Unrealistic Expectations



TEPID BUY-IN FROM MANAGEMENT



LACK OF UNDERSTANDING OF SCRIPT MAINTENANCE

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2. False Promises

- Vendors who say automation is the "cure-all"
- No or minimal POC/eval time with tool





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