JavaScript Applications for the Enterprise: Test More Work Less

GEORGE BOCHENEK // RANDY JONES

@bosshenek @randysjones
QA is Important
Enterprise Challenges
Ideal Test Pyramid

https://www.slideshare.net/abagmar/anand-bagmar-behavior-driven-testing-bdt-in-agile
Nightmare Test Pyramid

Bugs

A single functional test that hasn’t passed in three years
How do we Test?

- Write Code
- Write Test
- Write code, break test
- Rewrite Test
Test Driven Development

- Write Test
- Test Fails
- Write code till passes
- Refactor
Easy to Test = Easy to Maintain
Rule #1:

Don’t Test Other People’s Code
...but I want to use

((( Insert latest trendy JavaScript Framework )))
Use any framework you want

https://github.com/Esri/esri-loader
Legacy Projects
Continuous Integration

GRUNT

Gulp

Continuous Integration
Source Control

Inspired from https://gist.github.com/digitaljhelms/4287848
Source Control Revised

Inspired from https://gist.github.com/digitaljhelms/4287848
Related Talks

Web AppBuilder for ArcGIS: Advanced Development Tools and Techniques
• TODAY // 2:30 - 3:30
• Pasadena / Sierra / Ventura
• George Bochenek / Randy Jones

Javascript Applications for the Enterprise: Building for Production
• TODAY // 5:30 - 6:30
• Pasadena / Sierra / Ventura
• George Bochenek / Randy Jones
Resources

Custom App Example
https://github.com/Esri/enterprise-build-sample-js

Web AppBuilder Resources
https://github.com/gbochenek/wab-test-example

DevOps Resources
https://github.com/Esri/esri-loader
https://eslint.org/
https://gist.github.com/digitaljhelms/4287848 - Source Control

The Clean Code Talks -> Unit Testing
https://www.youtube.com/watch?v=wEhu57pih5w
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Questions?

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