The developer-centric mindset will disrupt how all of us work
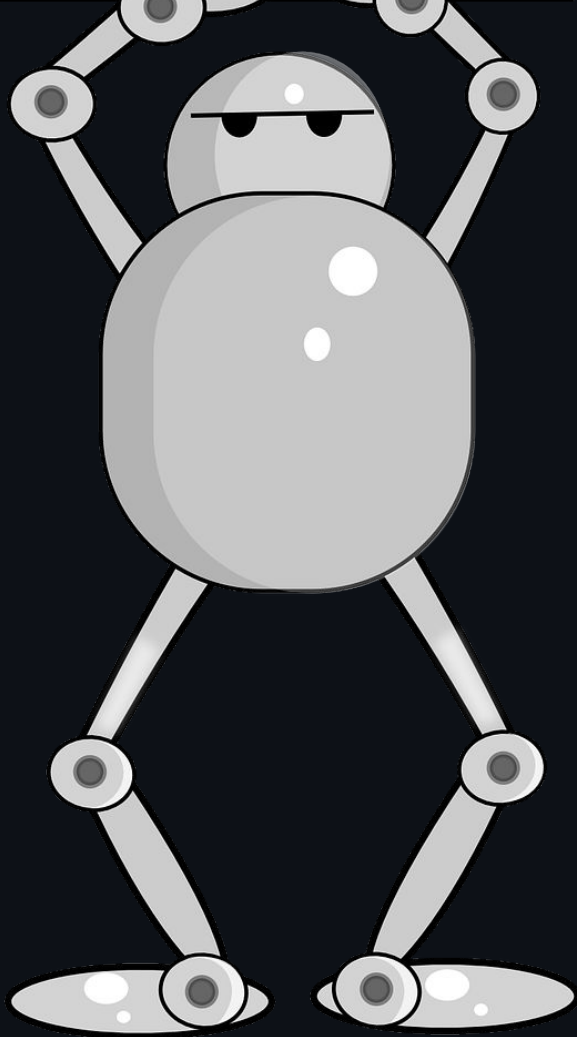
Jen Krieger
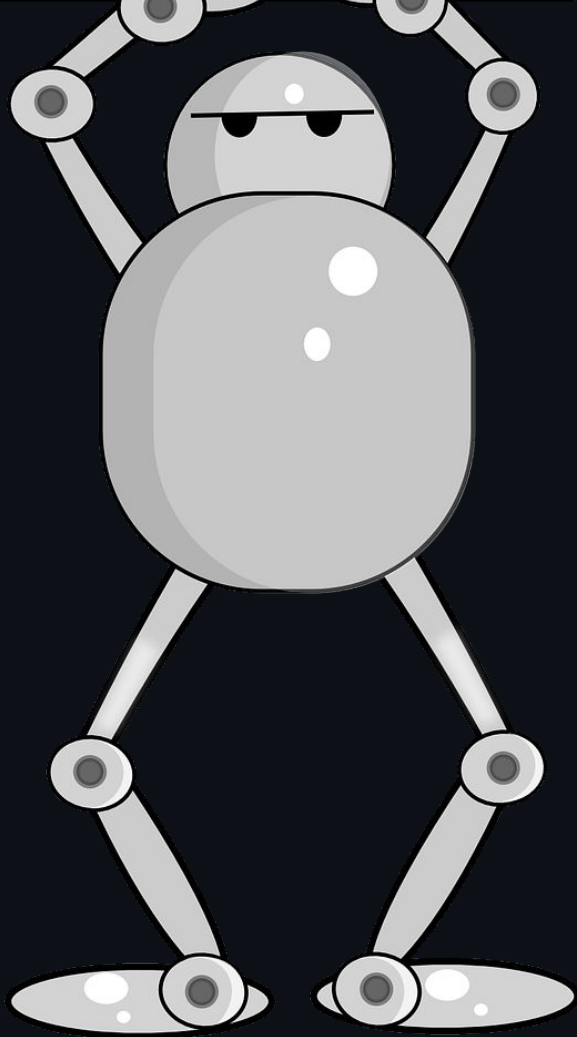
VP Engineering Operations, Execution & Improvement @ GitHub

Where are we today?

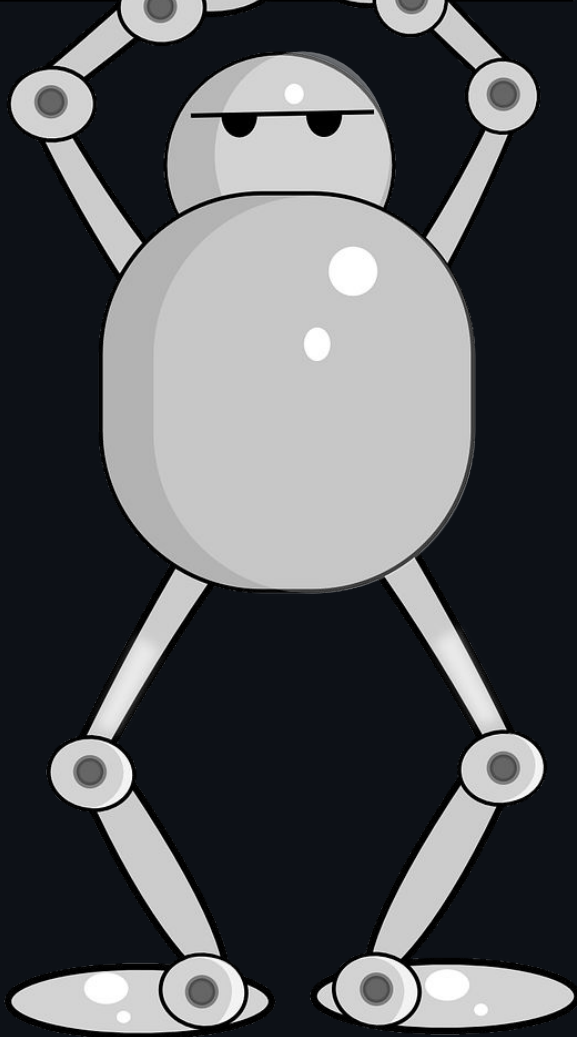CANCEL MY 3 O'CLOCK I NEED TO WATCH THIS BIRD

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I NEED TO WATCH THIS BIRD

1. The developer and their point of view deeply matter.

MAGIC

Shia LaBouf as Doug Henning from SNL
https://doughenningproject.com/2020/05/20/shia-l
ebouf-snl-sketch/

Collaborate → **Build** → **Test** → **Deploy** → **Run**

Application Lifecycle Mgmt.
JIRA, mingle, Trello, Visual Studio Team Foundation Server, PivotalTracker, Basecamp, asana, PHABRICATOR

SCM/VCS
git, SUBVERSION, mercurial, GitHub, Gogs, Atlassian Bitbucket, GitBucket, GitLab

Testing
Test Automation Selenium, Se, Jasmine, MOCHA, GAUNTLT, OWASP ZAP, Gatling Stress Tool, JUnit, KARMA, FitNesse, Nunit, QUnit js unit testing, TestNG, cucumber, Galen Framework, js, LOAD IMPACT, APACHE JMeter, BlazeMeter, pytest, SERVERSPEC, Browsersync, Pa11y, specflow Cucumber for .NET, Newman, xUnit.net

Deployment
Octopus Deploy, XL DEPLOY, RUNDECK, Capistrano, urban{code}, NOLIO, SSH, JUJU, ElasticBox, Spinnaker

Cloud / IaaS / PaaS
amazon web services, Dokku, Flynn, heroku, Microsoft Azure, CLOUDFOUNDRY, Google Cloud Platform, rackspace, openstack, DEIS, appfog, OPENSHIFT, Engine Yard

Communication & ChatOps
slack, HipChat, #irc, flowdock, Microsoft Teams, RYVER, Mattermost, ROCKET.CHAT, COG v0.5, Nestor, LITA, HU-BOT

CI
wercker, snap, TeamCity, Jenkins, Bamboo, drone.io, circleci, go Continuous Delivery, Travis CI, CODESHIP

Config Mgmt./Provisioning
puppet labs, CHEF, ANSIBLE, SALTSTACK, CFEngine, PowerShell DSC, VAGRANT, TERRAFORM

Orchestration & Scheduling
MESOSPHERE, MARATHON, docker SWARM, kubernetes by Google, Nomad, RANCHER, MESOS

Knowledge Sharing
github:pages, jekyll, github:pages, Confluence, HUGO, Read the Docs, Markdown, apiblueprint, RAML, FLARUM, graphviz, OPEN API INITIATIVE, Discourse, reddit

Build
sbt, Gradle, GRUNT, docker, Maven, .js, Gulp, Nant, APACHE ANT, PACKER, MSBuild, Leiningen, Rake

Database Management
DBmaestro DevOps for Database, DBDeploy, Flyway by ClusterHQ, Flocker by ClusterHQ, redgate, LIQUIBASE

Artefact Management
QUAY by CoreOS, DOCKERHUB, docker REGISTRY, Bower, JFrog Artifactory, python Package Index, nuget, archiva, npm, Sonatype Nexus

BI / Monitoring / Logging
logstash, elasticsearch, splunk, Vector, kibana, DATADOG, ZABBIX, APPDYNAMICS, GROK, ZIPKIN, Google Analytics, x-pack, SENTRY, Prometheus, New Relic, VIZCERAL, dynatrace, PINPOINT, Runscope, sensu, Atlas, RIEMANN, APImetrics Intelligent API Monitoring, Grafana, graphite, RAYGUN, STATSD, Rollbar, Airbrake.io, pagerduty, MOOG, beats, OpsGenie, Keen IO

http://www.jamesbowman.me

2. The developer has and will continue to shape your future.

3. You should **model your thinking** after a developer.

* OK. This might be new.

What is a developer-centric mindset?

Problem-solvers

Developers are natural creatives and use that creativity to solve problems.

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Passion for coding
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Why is it important to think like a developer?

Why did testing get automated?

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Better uniformity of execution and more consistent reports of problems

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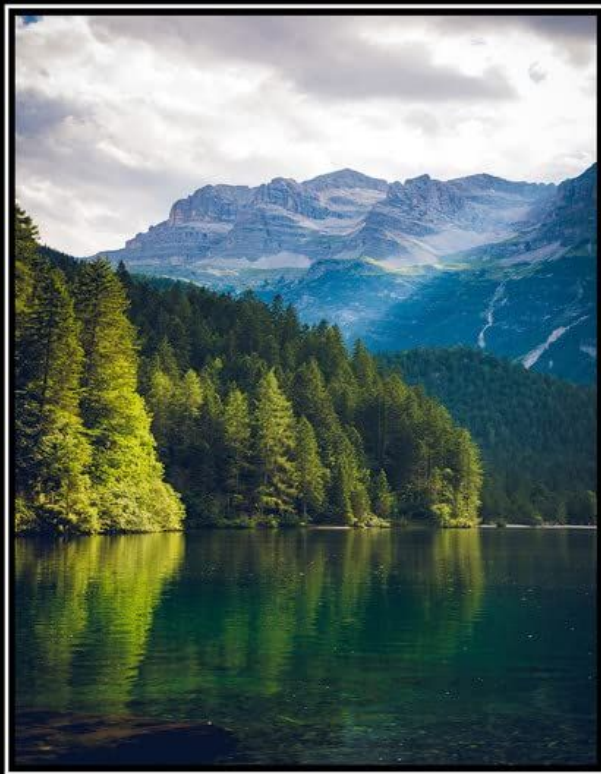Computers can perform repetitive tasks faster than humans

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Scalability
As complexity of software grows, manual testing becomes impractical.

All together... what do those things mean?

PRODUCTIVITY

Just remember however hard you work, you can be replaced.

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Developers <3 to

create.
optimize.
automate.
rinse & repeat.

How to take a developer-centric approach at work

By role...

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Project & Program Managers

What could we apply from this talk to these roles?

Agile Coaches / Scrum Masters

What could we apply from this talk to these roles?

Everyone in this room will use a developer-centric mindset.

Thank you

I don't use twitter anymore, but you can catch me on LinkedIn.
www.linkedin.com/in/mrry550/