

***CLEAN CODE REDEFINED:
SONAR AND DPE.
WHAT? YES.***





minimize vulnerability risks, safeguard your reputation

Security vulnerabilities in your code can significantly compromise the confidentiality of your data and damage your business reputation. Sonar™ secures your entire development flow by providing the right checks at the right place and time.

Security

Quality



reduce operability risk, avoid business disruption

Buggy code can lead to unexpected behavior and cause serious reliability issues in your application. By addressing issues earlier in the development cycle, your production software stays robust and continuously operable.



extend your application lifetime

Introducing code changes is smoother when your codebase is clean. Sonar enforces a Clean Code environment and avoids costly application overhaul by allowing you to easily adjust your app to meet business needs over time.

What's missing?

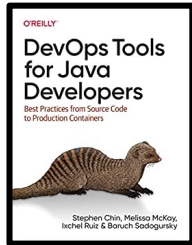
Maintenance
(Technical Debt)

WHAT IS CLEAN CODE? -->



BARUCH SADOGURSKY - @JBARUCH

- × Developer Productivity Advocate
- × Gradle Inc
- × Development → DevOps → #DPE



SHOWNOTES

- × speaking.jbaru.ch
- × Slides
- × Video
- × All the links!



SECURITY + QUALITY + MAINTENANCE

=

BETTER CODE.



@JBARUCH

#DPE

SPEAKING.JBARU.CH

WHO ARE WE?!



@JBARUCH



DEVELOPERS!



#DPE

SPEAKING.JBARUCH

WHAT DO WE WANT?



@JBARUCH



**SECURITY, QUALITY,
MAINTENANCE!**



#DPE

SPEAKING.JBARUCH

**WHEN DO WE WANT
IT?**

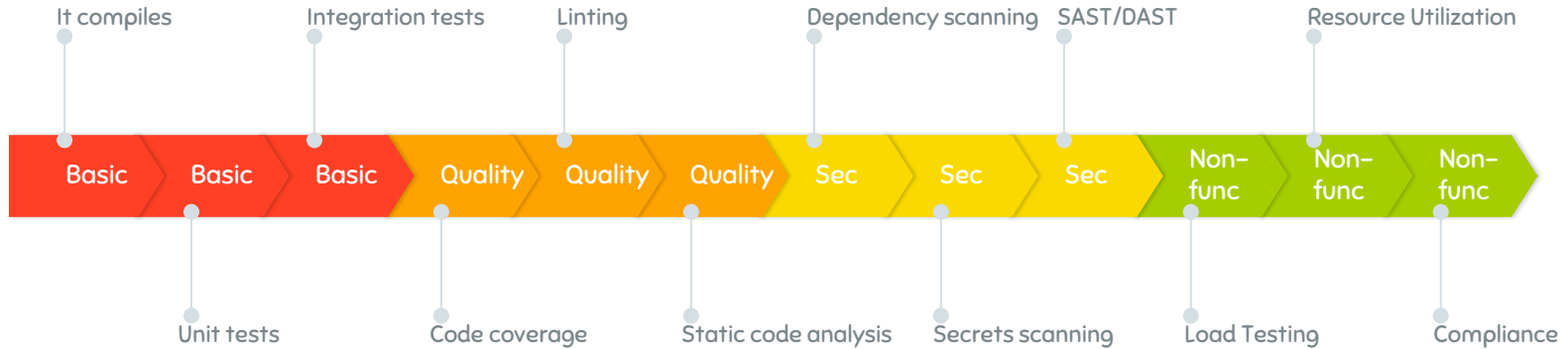


@JBARUCH

#DPE

SPEAKING.JBARUCH

CI/CD PIPELINE QUALITY GATES





CI/CD? NOT GREAT, NOT TERRIBLE.

@JBARUCH

#DPE

SPEAKING.JBARU.CH



TWO TYPES OF FEEDBACK

ASYNCHRONOUS

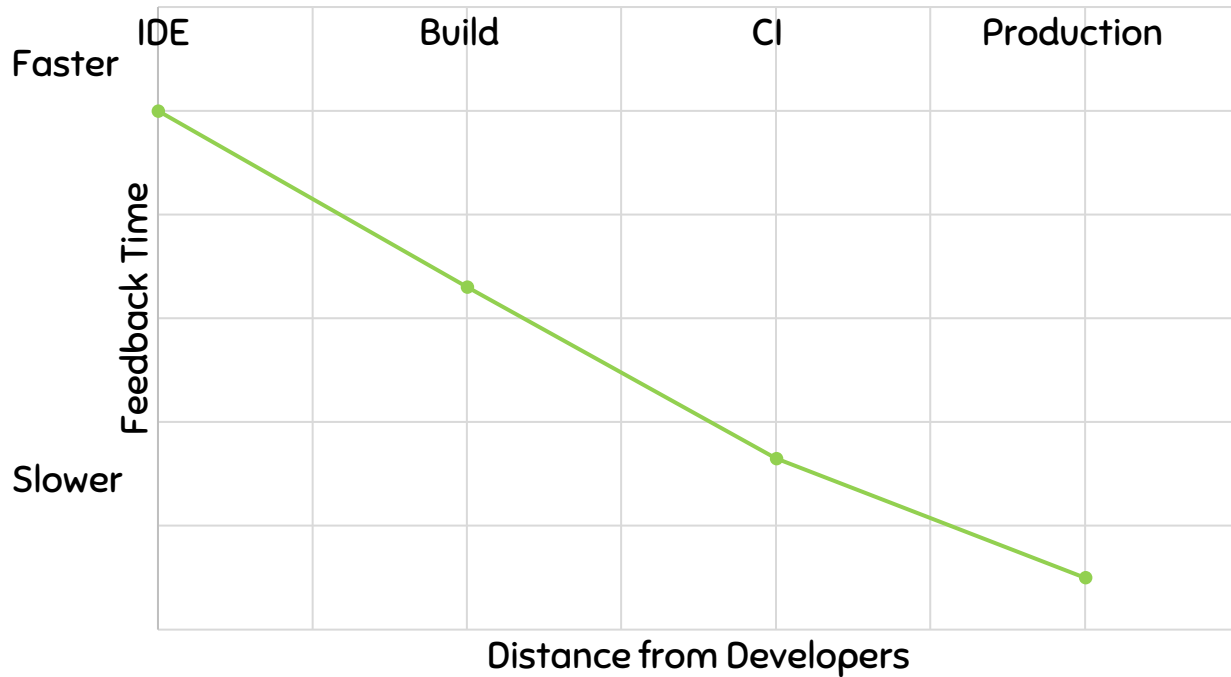
- x e.g., CI/CD
- x we never wait for it
- x results are distracting

ASYNCHRONOUS

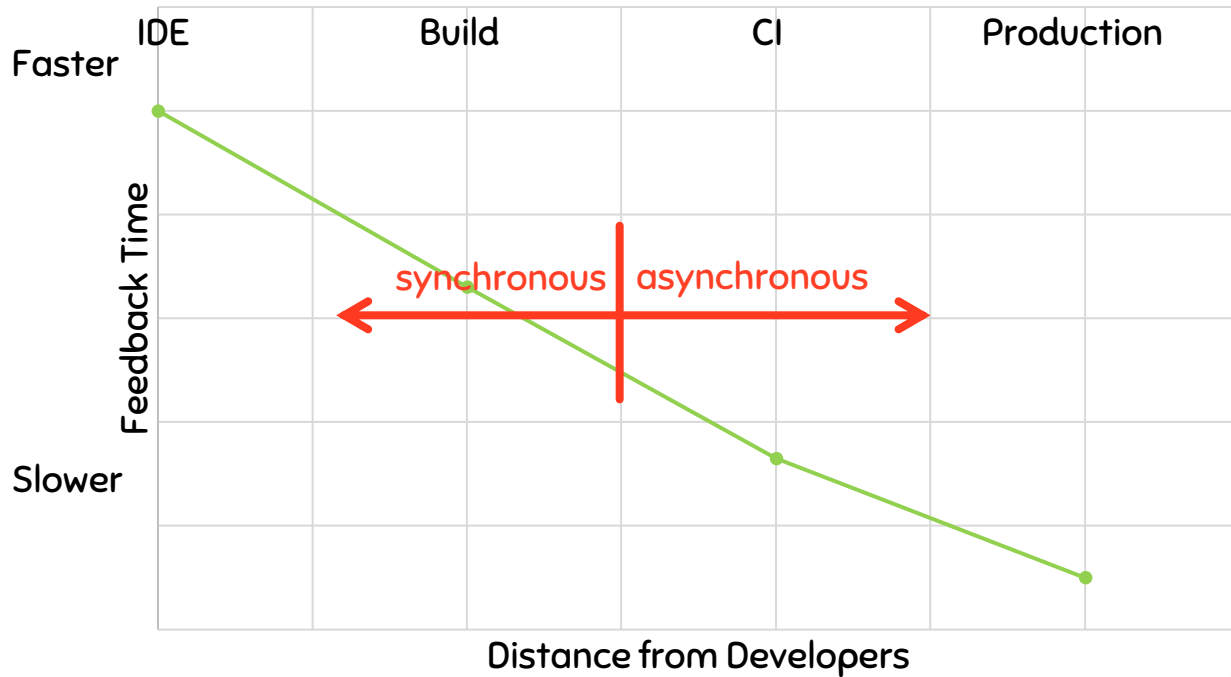
- x e.g., build
- x we'll wait for it in the flow
- x we'll be pissed off when it's slow



REVERSE DEPENDENCY ON DISTANCE FROM DEVELOPERS



REVERSE DEPENDENCY ON DISTANCE FROM DEVELOPERS





Clean Code in your IDE

Install Sonar's™ free IDE extension, SonarLint™, to find and fix issues from the moment developers write the code. Addressing issues as you code helps you shift left and saves precious time because it's the easiest to remediate.

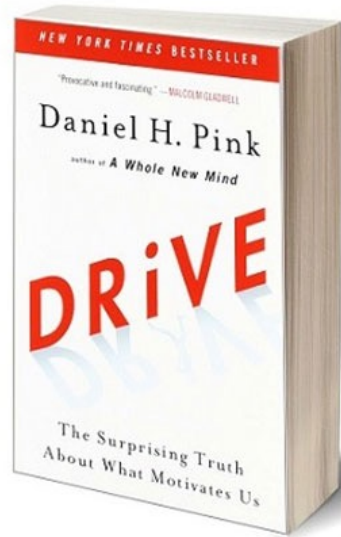


In your CI/CD workflow

Ensure your project is using a Clean as You Code compliant Quality Gate focused on new code - added or changed. Then, set a new code period that is relevant to your project. Once completed respect and enforce your quality by only promoting code that passes the Quality Gate. It's that simple.

Shift Left





@JBARUCH

#DPE

SPEAKING.JBARU.CH



3 FACTORS LEAD TO BETTER
PERFORMANCE & PERSONAL
SATISFACTION...

AUTONOMY
MASTERY
PURPOSE



@JBARUCH

#DPE

SPEAKING.JBARU.CH



DON'T RUIN THE FLOW



@JBARUCH

#DPE

SPEAKING.JBARU.CH

***"THE BUILD TAKES FOREVER, I
AM DISTRACTED TO DO OTHER
THINGS AND THE CONTEXT
SWITCH IS TERRIBLE"***



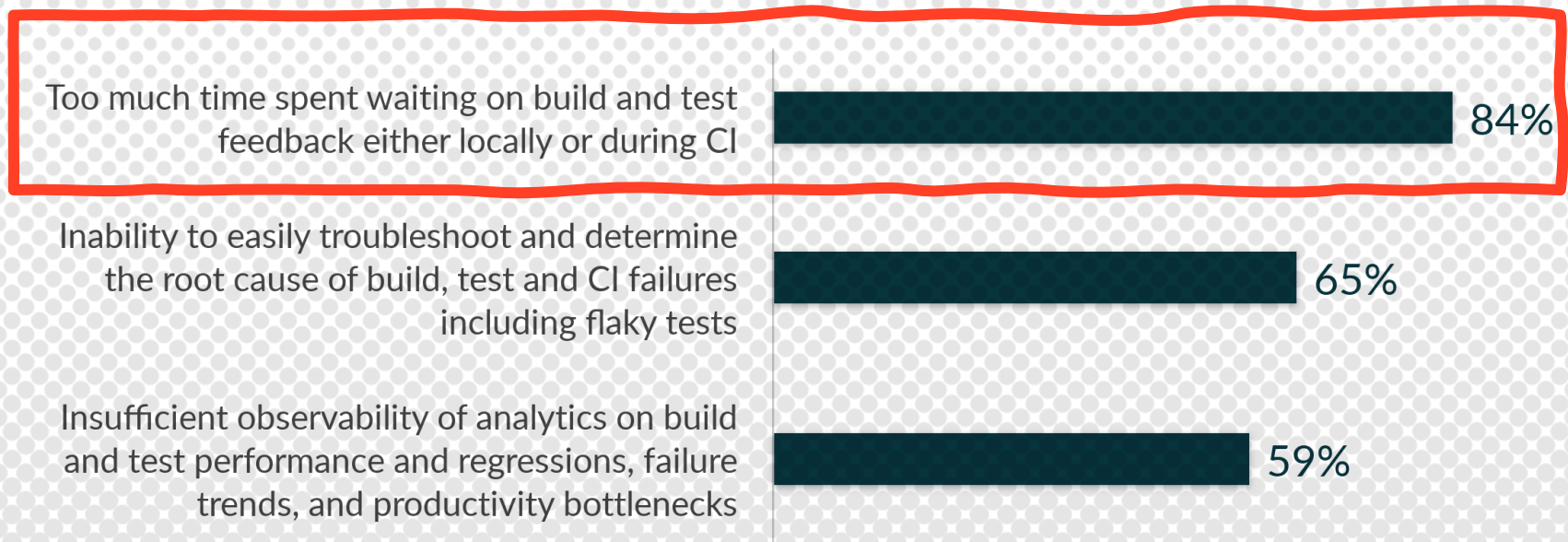
@JBARUCH

#DPE

SPEAKING.JBARU.CH

Development Pains are Widespread

Which of the following challenges or pain points did your organization experience prior to implementing Developer Productivity Engineering?



DON'T FRUSTRATE THE DEVELOPERS



@JBARUCH

#DPE

SPEAKING.JBARU.CH



***"WE HAVE A FLANKY TEST, IT IS
IRRELEVANT 99.5% OF THE
TIME, BUT IT ALWAYS RUNS
AND IT IS LAST IN THE SUITE"***



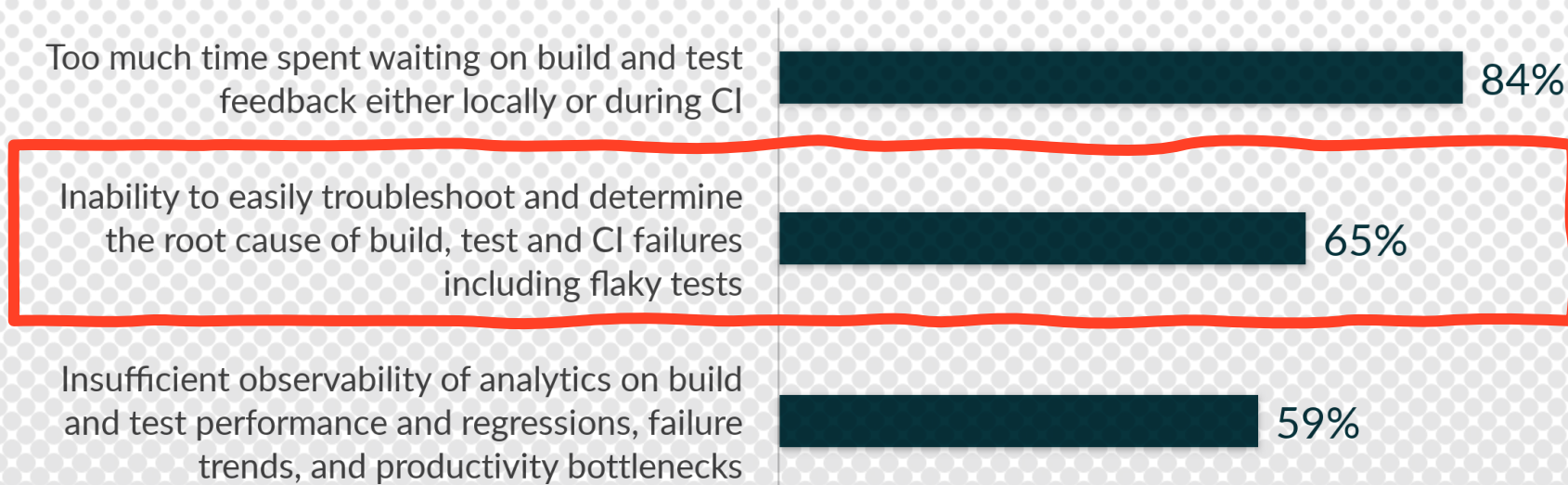
@JBARUCH

#DPE

SPEAKING.JBARU.CH

Development Pains are Widespread

Which of the following challenges or pain points did your organization experience prior to implementing Developer Productivity Engineering?



DON'T BOIL THE FROG



@JBARUCH

#DPE

SPEAKING.JBARU.CH



***"I HAVE A FEELING THAT
EVERYTHING IS SLOWER
SOMEHOW..."***

@JBARUCH

#DPE

SPEAKING.JBARU.CH



Development Pains are Widespread

Which of the following challenges or pain points did your organization experience prior to implementing Developer Productivity Engineering?

Too much time spent waiting on build and test feedback either locally or during CI



Inability to easily troubleshoot and determine the root cause of build, test and CI failures including flaky tests



Insufficient observability of analytics on build and test performance and regressions, failure trends, and productivity bottlenecks



DEVELOPER PRODUCTIVITY :: A/M/P :: MOTIVATION

Autonomy → Tools and people aren't in my way

Mastery → Tools and processes help me to excel

Purpose → I want to be *productive*, i.e. create the product





minimize vulnerability risks, safeguard your reputation

Security vulnerabilities in your code can significantly compromise the confidentiality of your data and damage your business reputation. Sonar™ secures your entire development flow by providing the right checks at the right place and time.

Security

Quality



reduce operability risk, avoid business disruption

Buggy code can lead to unexpected behavior and cause serious reliability issues in your application. By addressing issues earlier in the development cycle, your production software stays robust and continuously operable.



extend your application lifetime

Introducing code changes is smoother when your codebase is clean. Sonar enforces a Clean Code environment and avoids costly application overhaul by allowing you to easily adjust your app to meet business needs over time.

What's missing?

Maintenance
(Technical Debt)



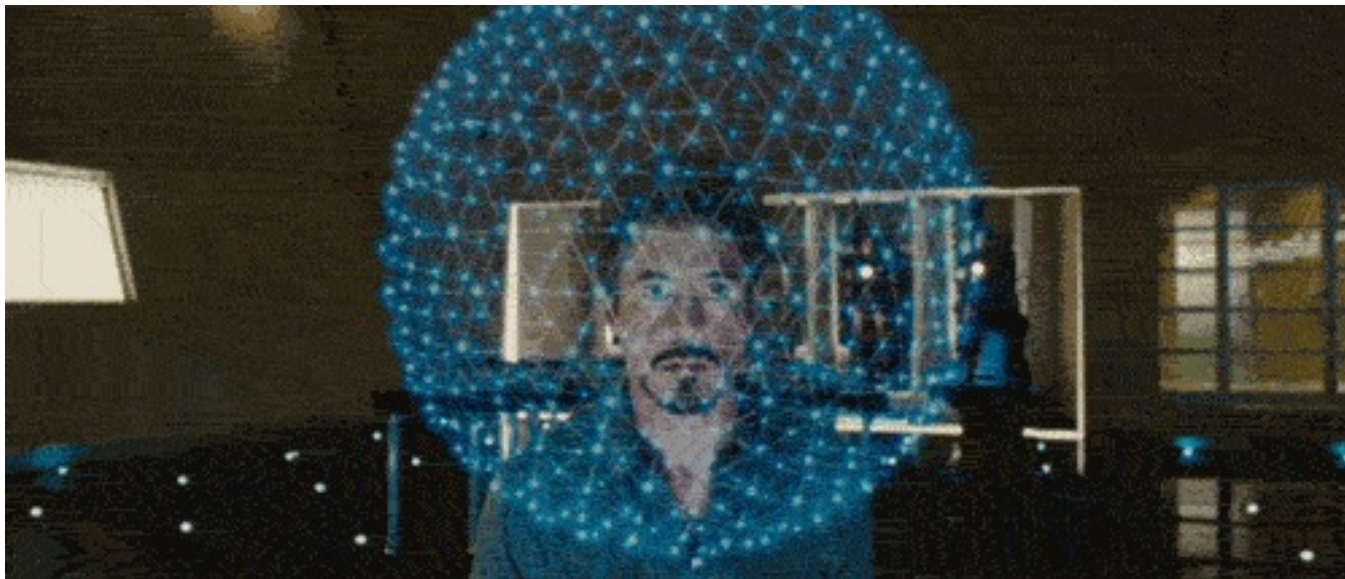
@JBARUCH

#DPE

WHAT IS CLEAN CODE? -->

SPEAKING.JBARUCH

DEVELOPER PRODUCTIVITY ENGINEERING!



[@JBARUCH](#)

[#DPE](#)

[SPEAKING.JBARU.CH](#)



DEVELOPER PRODUCTIVITY ENGINEERING

Foster Faster Feedback

Collaborate through
Effective Tooling

Embrace Rigorous
Observability for
Proactive Improvement

Eliminate Toil for
Developers

Prioritize Automation
and Eliminate
Bottlenecks

Dedicated
Organizational Mindset

Outcomes Over Output



SMALL DPE IMPROVEMENTS MAKE A HUGE DIFFERENCE

- × Generate code faster: Better IDE
- × Test better: Testcontainers
- × Test more reliably: Flaky test detection
- × Enforce better code: Sonar



THE GAINS ARE REAL!



@JBARUCH

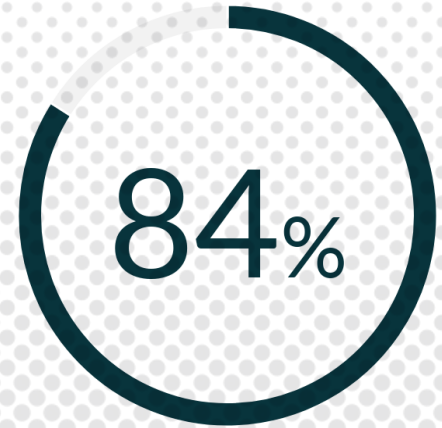
#DPE

SPEAKING.JBARU.CH



DPE Dramatically Improves Productivity

Almost every surveyed IT organization agreed that “Since integrating Developer Productivity Engineering into our development process, the time savings we experienced on build and test cycle times have dramatically improved developer productivity.”



Source: TechValidate survey of 63 users of Gradle Enterprise

@JBARUCH

#DPE



Gradle

SPEAKING JBARUCH

Validate
by SurveyMonkey



GRADLE ENTERPRISE CUSTOMER STATISTIC

DPE Fosters Developer Joy

84% of surveyed users agree that DPE's impact on their toolchain makes their job more enjoyable.



Source: TechValidate survey of 51 users of Gradle Enterprise

✓ Validated

Published: Jul. 2, 2023 TVID: 930-05A-A5F



TechValidate
by SurveyMonkey



@JBARUCH

#DPE

SPEAKING.JBARUCH

***BUT DPE IS
NOT MY JOB!***



@JBARUCH

#DPE

SPEAKING.JBARU.CH



@JBARUCH

#DPE

SPEAKING.JBARU.CH

***BUT DEVOPS IS
NOT MY JOB!***



@JBARUCH

#DPE

SPEAKING.JBARU.CH

DEVOPS VS DPE

	<i>DEVOPS</i>	<i>DPE</i>
<i>OUTCOME</i>	The product	More productive work
<i>URGENCY</i>	On everybody's minds	Slips away
<i>ORG STRUCTURE</i>	Organizational culture	Specialized team






***THE BEST DPE ORGANIZATIONS
BUILD FOCUSED TEAMS***

@JBARUCH

#DPE

SPEAKING.JBARU.CH




[HOME](#)
[BROWSE JOBS](#)
[TEAMS](#)
[UNIVERSITY](#)
[LIFE AT SNOWFLAKE](#)

ENGINEERING MANAGER - DEVELOPER PRODUCTIVITY ENGINEERING


San Mateo, California, USA
 Engineering 2500

[LinkedIn](#) Careers
 [Why LinkedIn](#)

Productivity & IT


Build and refine the technology, tools, and systems our employees need to succeed. Our Productivity and IT team includes Developer Productivity and Enterprise Productivity.


[See team jobs](#)





Senior Software Engineer - Platforms and Engineering Productivity


Microsoft · Mountain View, CA (Remote) · 1 day ago · 58 applicants

 \$112,000/yr - \$238,600/yr (from job description) · Full-time

 10,001+ employees · Software Development

 79 connections work here · 1 company alum works here · 59 school alums

 Skills: Continuous Delivery (CD), Customer-Focused Selling, +8 more

 View verifications related to this job post. [Show all](#)


How We Improved Developer Productivity for Our DevOps Teams

 August 27, 2020
 Published by Maria Jernström and Jason Palmer

Spotify R&D




Across Spotify, our teams diligently strive to fulfill our mission to “unlock the potential of human creativity by giving millions of creative artists the opportunity to live off their work, and billions of fans the opportunity to enjoy the music they love.”

 JOBS




Senior Fullstack Software Engineer, Developer Productivity

Remote, United States Remote, United States
 Partnership


[Products](#)
[Customers](#)
[Learn](#)
[Company](#)
[Pricing](#)

[All Jobs](#) / [Engineering](#) / [Cloud - Tech Lead, Engineering Productivity](#)



Cloud - Tech Lead, Engineering Productivity

[Apply](#)



@JBARUCH

#DPE

SPEAKING.JBARU.CH

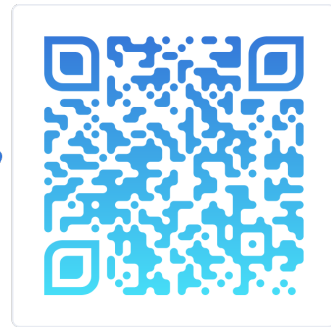
SONAR'S MISSION IS DPE MISSION

- × Better code by happier developers == better product
- × Shift left the quality gates
- × Improve developer productivity through engineering



LEARN MORE AND TRY IT TODAY!

- × Take the Gradle/Maven Speed Challenge!
- × Be DPE Agent of Change!
- × Read the DPE Handbook!
- × Watch the DPE Summit videos!



Scan me

SPEAKING.JBARU.CH



Q&A AND SOCIAL ADS



× @JBARUCH

× SPEAKING.JBARU.CH