



Harnessing AI to Transform Software Delivery

Shiran Ginige
08/10/2024



About me...



Shiran Ginige
Engineer



Founder & Principal
Consultant



Founder

Getting to know you...



Challenges



How long does a PR review take?

- ✓ Few hours
- ✓ More than a day



How long a new engineering hire takes to deliver within a new project?

- Within a few weeks
- Takes a few months



How long a new developer takes to identify an application issue and provide a resolution?

- 2 Hours
- 2 Days

Challenges



How long does a PR review take?

- Few hours
- More than a day



How long a new engineering hire takes to deliver within a new project?

- ✓ Within few weeks
- ✓ Takes a few months



How long a new developer takes to identify an application issue and provide a resolution?

- Couple of hours
- Couple of days

Challenges



How long does a PR review take?

- Few hours
- More than a day



How long a new engineering hire takes to deliver within a new project?

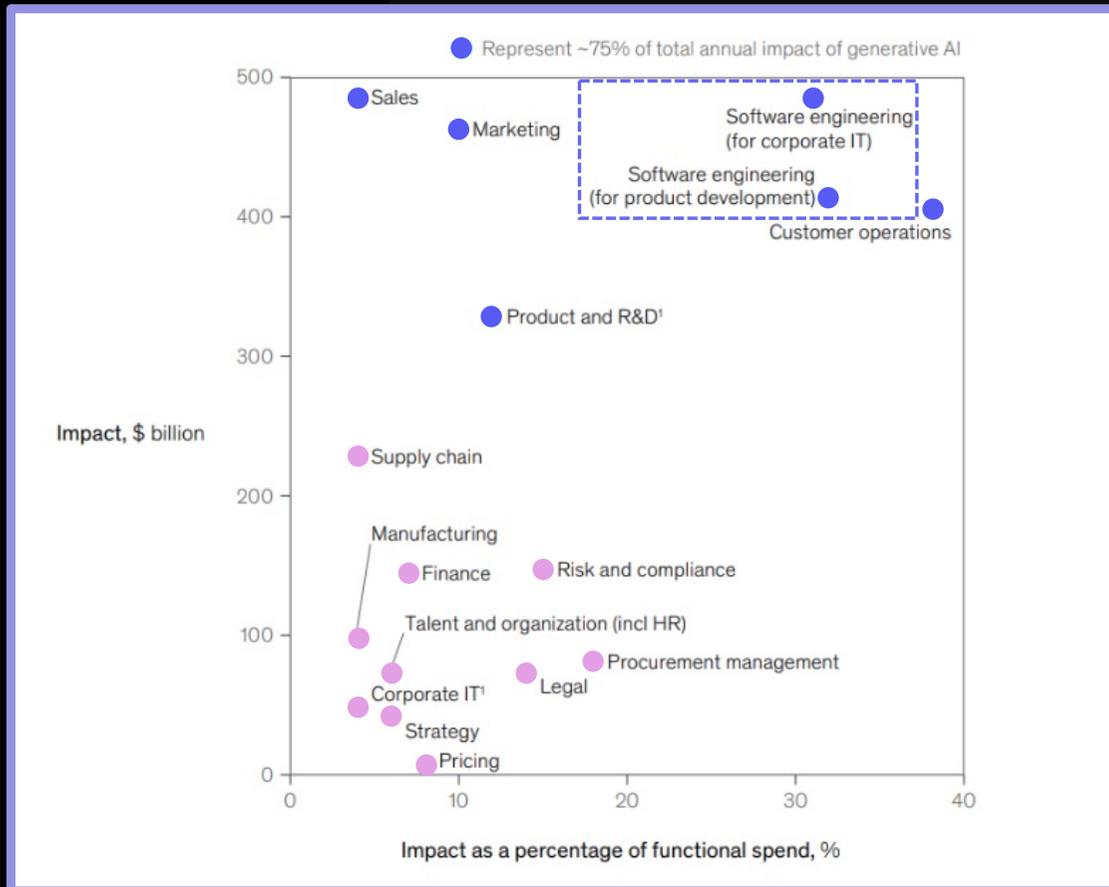
- Within few weeks
- Takes a few months



How long does a typical issue resolution take?

- ✓ Couple of hours
- ✓ Couple of days

How AI is Disrupting Industries



McKinsey & Company: June 2023

The Economic Potential of Gen AI

What About Human Jobs?

The Great AI Dilemma



Back to Challenges...



How long does a PR review take?

- ✓ Few hours
- ✓ **More than a day**



How long a new engineering hire takes to deliver within a new project?

- ✓ Within few weeks
- ✓ **Takes a few months**



How long does a typical issue resolution take?

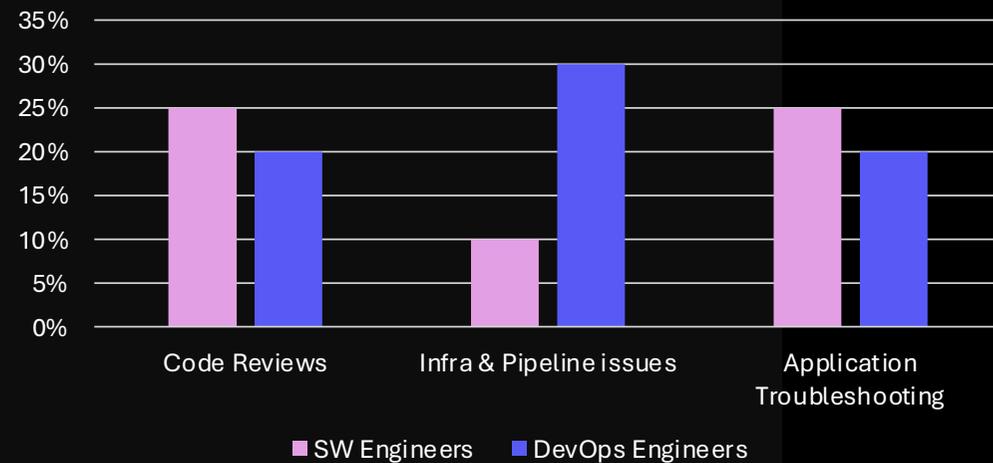
- ✓ Couple of hours
- ✓ **Couple of days**

Problems

Unproductivity & Inefficiency

- The challenge of navigating through complex information architectures.
- Fragmented workflows lead to inefficiency.
- Longer learning curves in employee internalisation.
- Too much time is spent on routine tasks.

Time Consumed on Routine Tasks



Problems

Skills Shortage & Productivity Losses

- 1.4 million unfilled engineering positions in the US alone. [Jasper University].
- 69% of global employers are reporting difficulty in finding suitable talent. [Gartner].
- Worldwide software engineering skills shortage by 2030: 85 million. [US Department of Labor].



What Would a Solution Look Like...



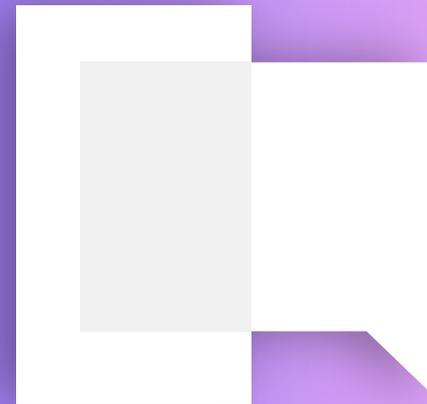
- ✔ **Enhance Software Development**
Productivity and Efficiency
- ✔ **Support Faster Learning and**
Employee Internalization
- ✔ **Synthesize Information and**
Augment Collaboration
- ✔ **Optimize Workflow**
- ✔ **Promote AI First Development**

IntelliOps is on a Mission to...

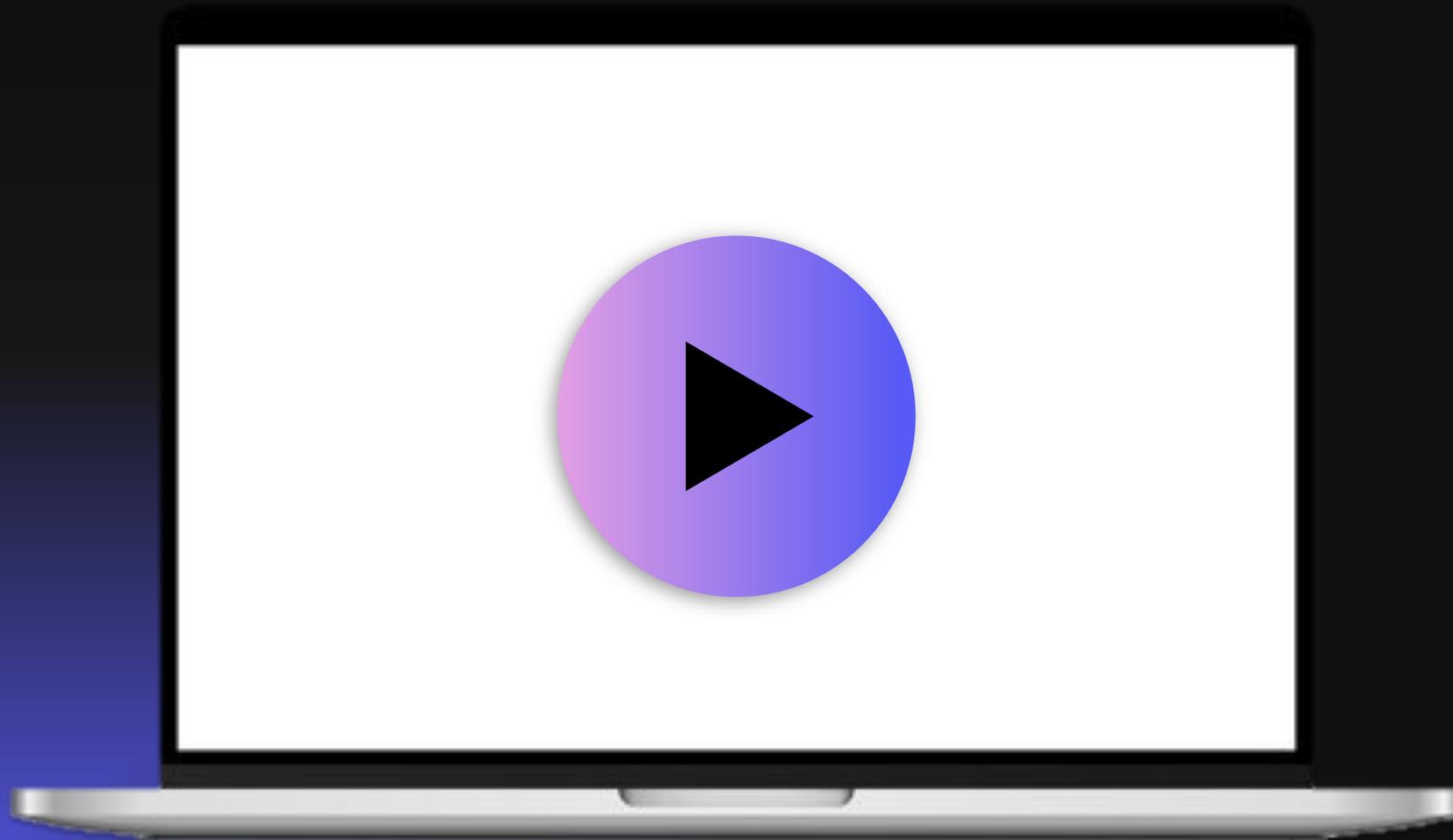


“

Help organisations achieve more with existing tooling by integrating AI into engineering workflows.



Demo Time!



Signup for Beta Access



<https://intelliops.ai>



IntelliOps



Key Take aways;



- Contextual GenAI Integration: How IntelliOps integrates with DevOps and Engineering tools (Source Code, Pipelines, Documentation) to deliver actionable AI-driven insights.
- Accelerated Knowledge Access: Reducing friction by providing faster access to organisational knowledge and documentation.
- Efficient Code Reviews: Improving pull request reviews through automated context generation and intelligent suggestions.
- Proactive Error Detection: Detecting and resolving service and pipeline errors faster with AI-powered diagnostics.
- Faster Onboarding & Employee Internalization: Helping new team members internalize company processes and systems more quickly through AI-guided learning paths.



Thank You

Q & A



www.linkedin.com/in/shiranginige/

shiran.ginige@kodez.com.au



Meet us at Table 02