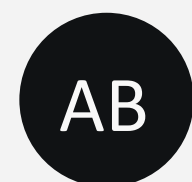
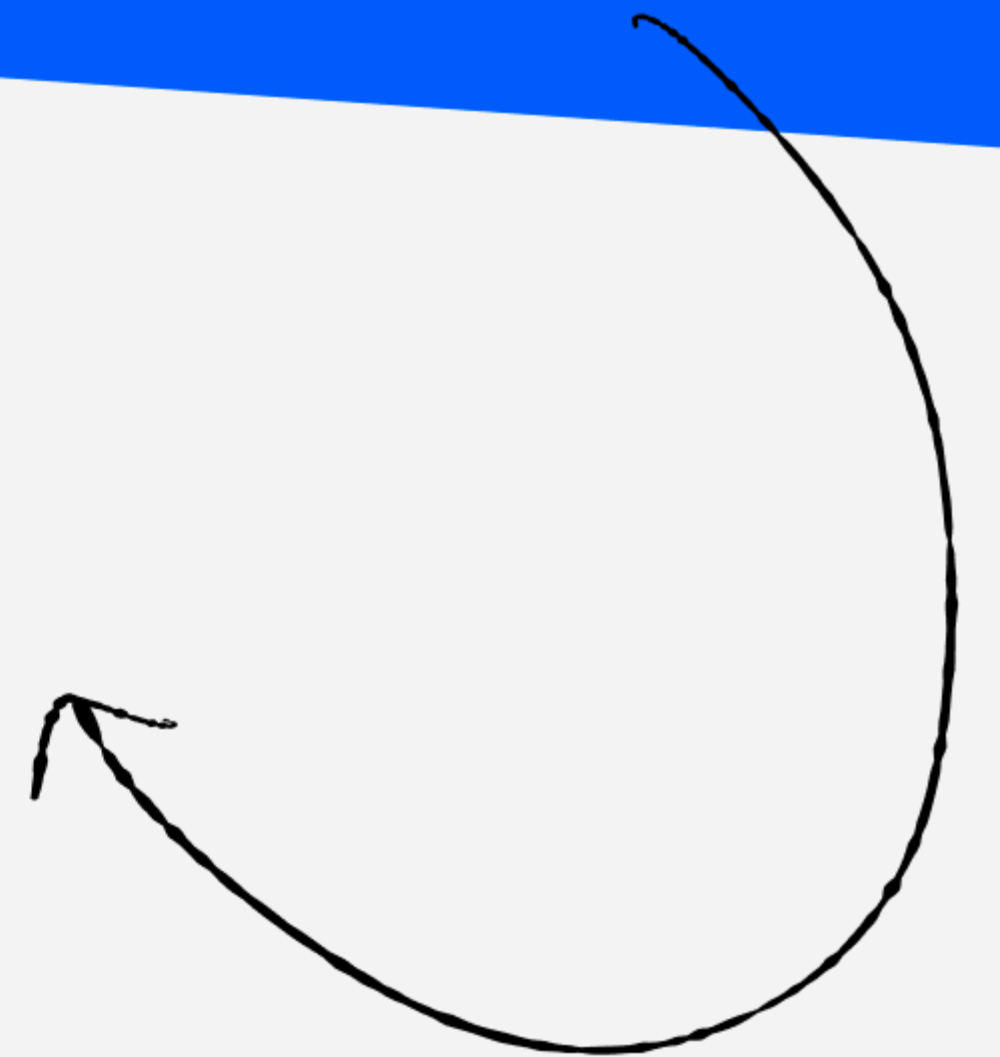




Use AI To Elevate Your Developer Experience



Andrew Boyagi
Head of DevOps Evangelism





AI

Artificial Andrew

100%

Engineering Leaders believe **AI** will **improve Dev Experience** in
next two years*

* Atlassian survey of 1,250 external Engineering leaders across a range of industries

Does AI

Improve developer experience?

Common AI Capabilities for Developers



Code Generation / Debugging

Using AI to write code, through prompts



Create Documentation

Automates code and process documentation.



Pull Request Summaries

Automatically summarizes the changes in a PR description.



Create Unit Tests

Automatically suggest / create unit tests for changes in a Pull Request

Impact of AI Capabilities for Developers



Productivity

Leaders: AI is the **#1 way** to improve **productivity***

Devs: 2 of 3 Devs **aren't** seeing **significant** productivity gains*

Job Satisfaction

Removes toil and repetitive tasks e.g. boilerplate code, writing PR descriptions and documentation

AI is **another tool** that devs need to learn to use

* Atlassian survey of 2,150 external Engineering leaders and developers

Impact of AI Capabilities for Developers



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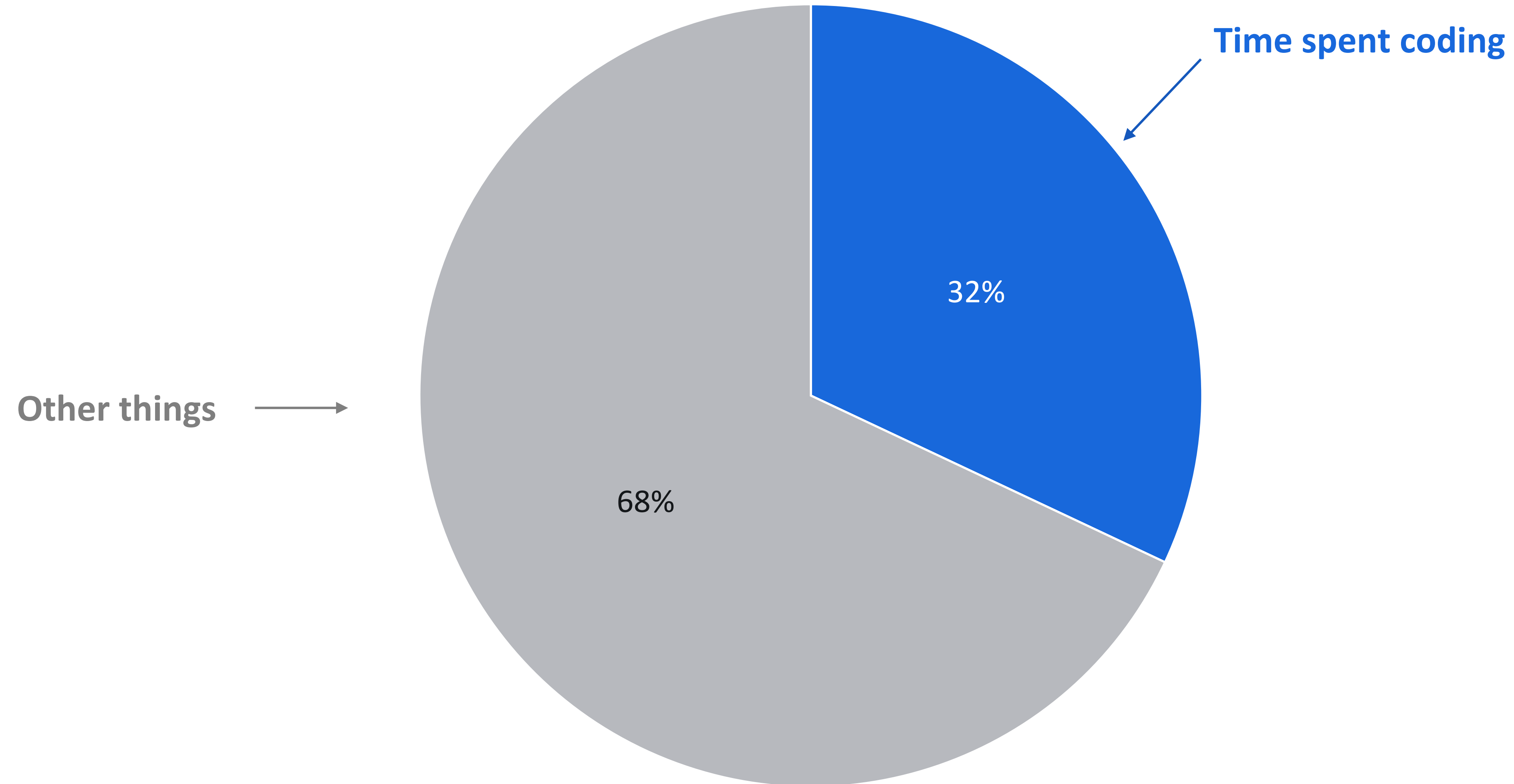
AI is **another tool** that devs need to learn to use

* Atlassian survey of 2,150 external Engineering leaders and developers

0%

of Devs complain about spending too much time writing code

Devs spend ~ 32% of their time coding⁺



+ The State of Engineering Management in 2022 - Jellyfish

The best way to improve your Developer Experience...

Ask Your Developers

What gets in the way of a good DevEx?



Wait time

25% of devs say **wait time** is the biggest impact to DX~



Cognitive Load

25% of Devs spend more than an hour **looking for things**^



Communication

70% of devs encounter **knowledge silos** > once per week ^

49% of devs spend > 30 mins per day **answering questions** ^



Tech Debt

59% of devs report losing time to tech debt *

~Survey of 800 devs by Sven Peters at tech conferences

^ Stack Overflow Developer Survey 2023

* Atlassian survey of 2,150 external Engineering leaders and developers

Examples of AI Improving Developer Experience (outside of coding)

Reduce Wait Time

Work Suggestions with AI



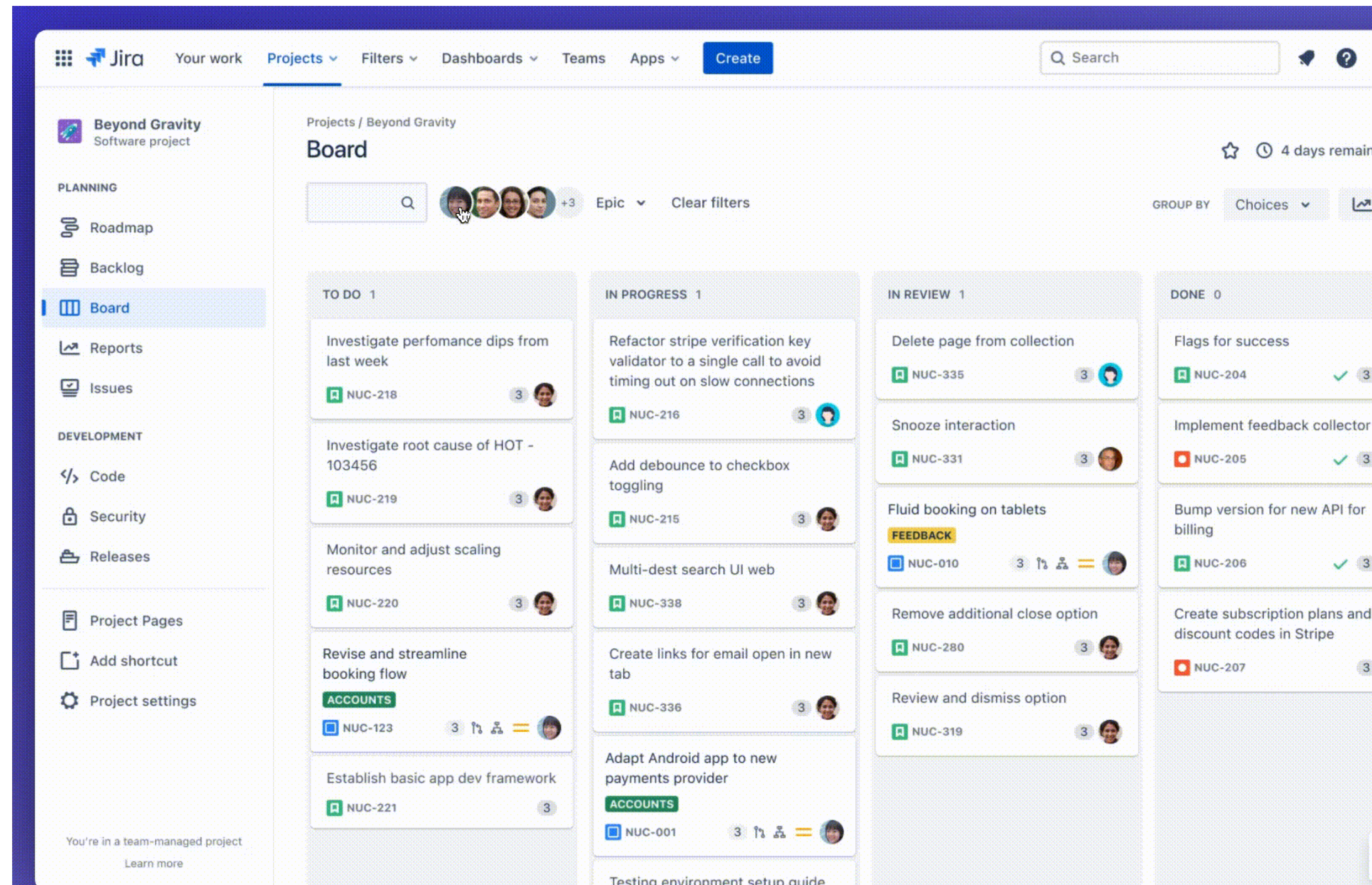
Wait time

Improve team flow

Prioritizes tasks that unblock team members like PRs that need to be reviewed or issues blocking other issues.

Reduce distractions

Reduces follow-up messages and unplanned interruptions.



Spend Less Time Looking for Things

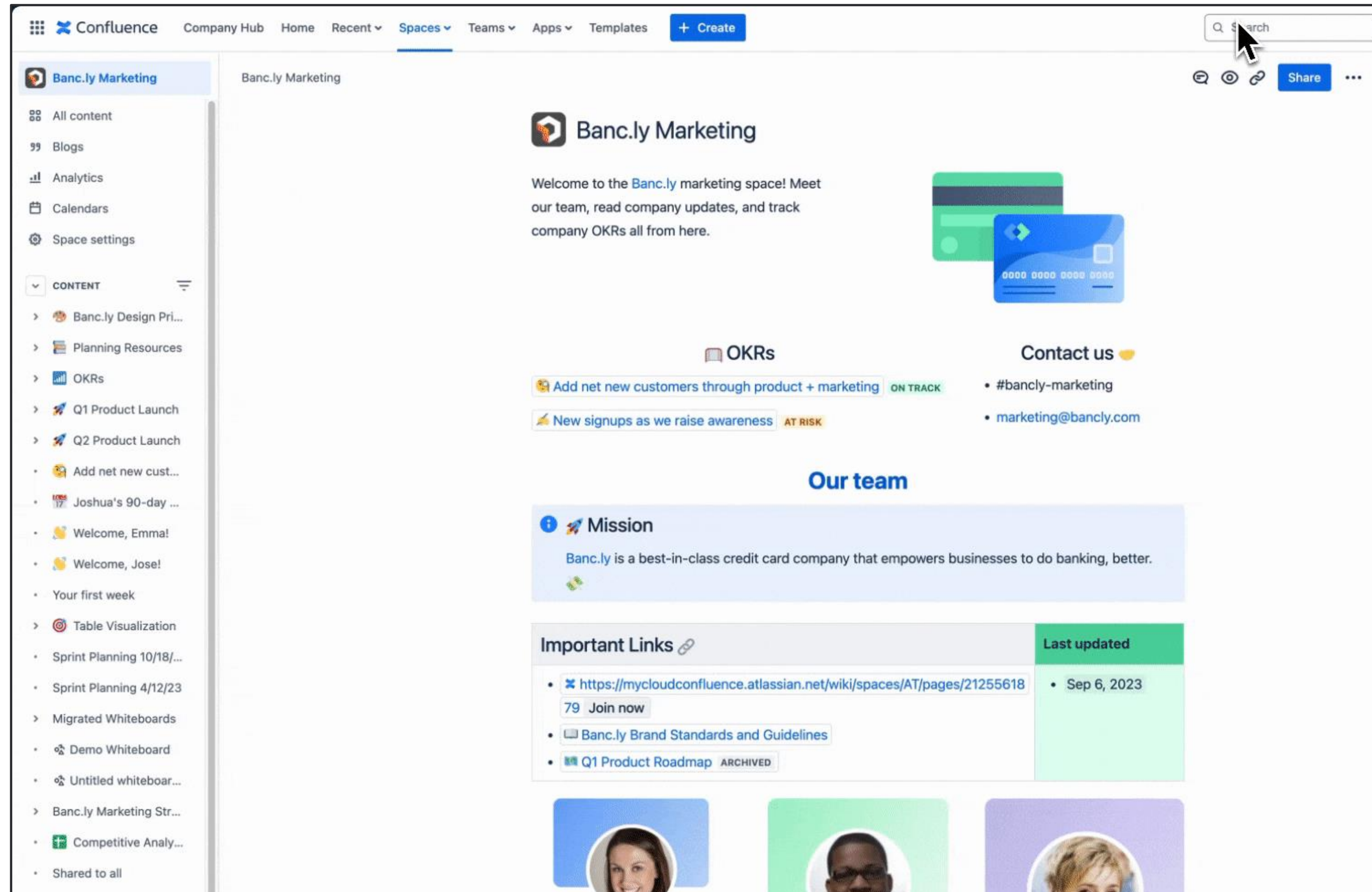
AI Search

Find the right things, faster

AI helps find the most relevant and reliable information.

Reduce cognitive load

No need to remember, search and find what you need on demand.



The screenshot displays the Confluence interface for the 'Banc.ly Marketing' space. The top navigation bar includes 'Confluence', 'Company Hub', 'Home', 'Recent', 'Spaces', 'Teams', 'Apps', 'Templates', and a '+ Create' button. A search bar in the top right corner is highlighted with a mouse cursor. The left sidebar shows a list of content items under the 'CONTENT' section, including 'Banc.ly Design Pri...', 'Planning Resources', 'OKRs', 'Q1 Product Launch', 'Q2 Product Launch', 'Add net new cust...', 'Joshua's 90-day ...', 'Welcome, Emma!', 'Welcome, Jose!', 'Your first week', 'Table Visualization', 'Sprint Planning 10/18/...', 'Sprint Planning 4/12/23', 'Migrated Whiteboards', 'Demo Whiteboard', 'Untitled whiteboar...', 'Banc.ly Marketing Str...', 'Competitive Analy...', and 'Shared to all'. The main content area features a welcome message, a section for 'OKRs' with two items ('Add net new customers through product + marketing' marked 'ON TRACK' and 'New signups as we raise awareness' marked 'AT RISK'), a 'Contact us' section with social media links, a 'Mission' section, and an 'Important Links' section with a table of links and their last updated dates.

Important Links	Last updated
https://mycloudconfluence.atlassian.net/wiki/spaces/AT/pages/21255618 79 Join now	Sep 6, 2023
Banc.ly Brand Standards and Guidelines	
Q1 Product Roadmap ARCHIVED	

Spend Less Time Looking for Things

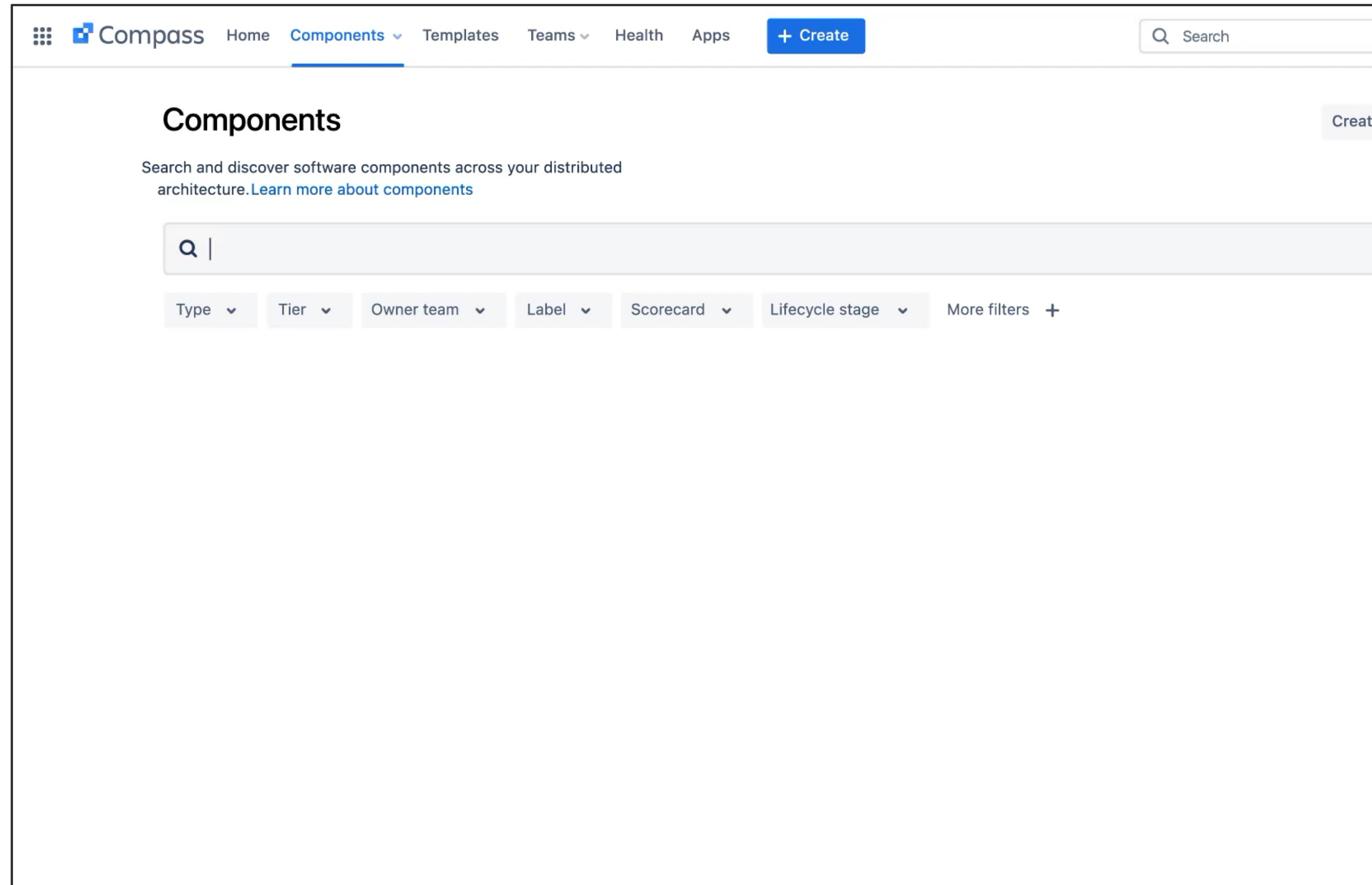
Developer Experience Platform

Find the right things, faster

A **Developer Experience Platform** helps find the most relevant and reliable information.

Reduce cognitive load

No need to remember, search and find what you need on demand.



Improve Communication

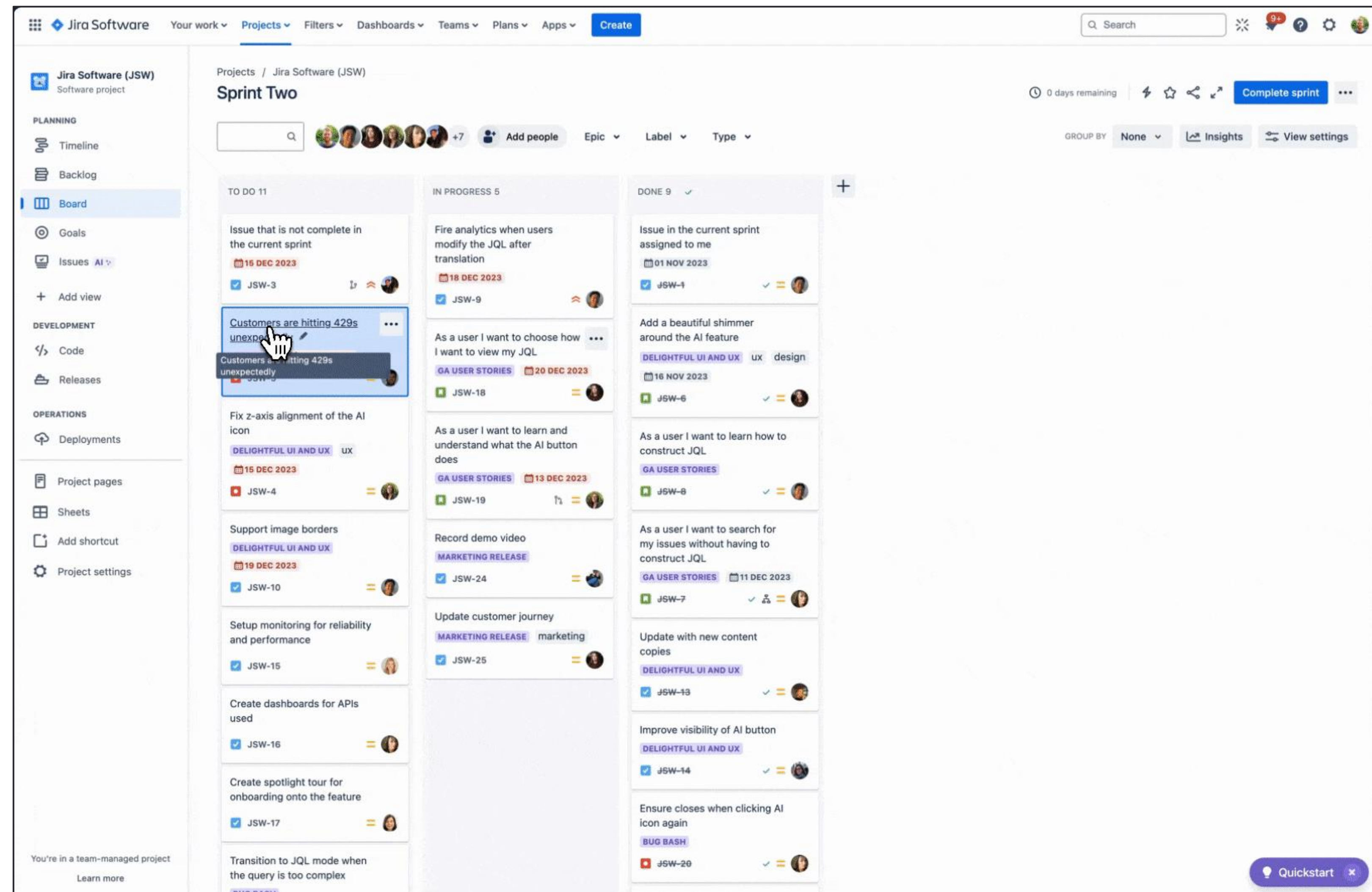
Change tone with AI

Communicate better

Use AI to help improve communication with colleagues by adjusting the tone of messages before you send them.

Reduce Follow ups

Use AI to improve messages to reduce clarification messages.

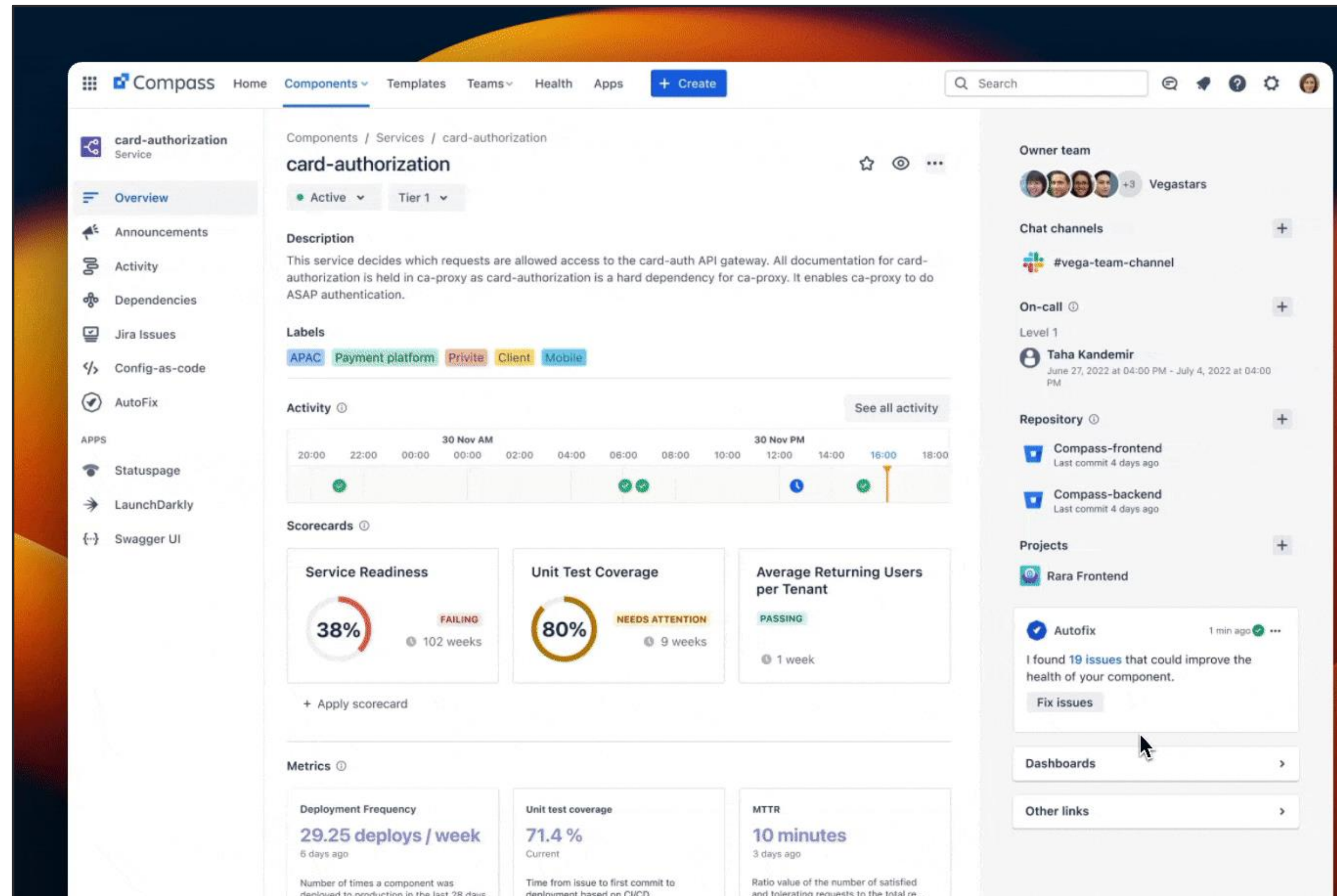


Correct Tech Debt with AI

Autofix Tech Debt

Focus on delivering value

Autofix finds common problems in your repos, curates a list of issues, and auto resolves the ones it can.



Devs spend ~ 32% of their time coding⁺

Reduce Wait Time

Work Suggestions with AI

Improve Communication

Change tone with AI

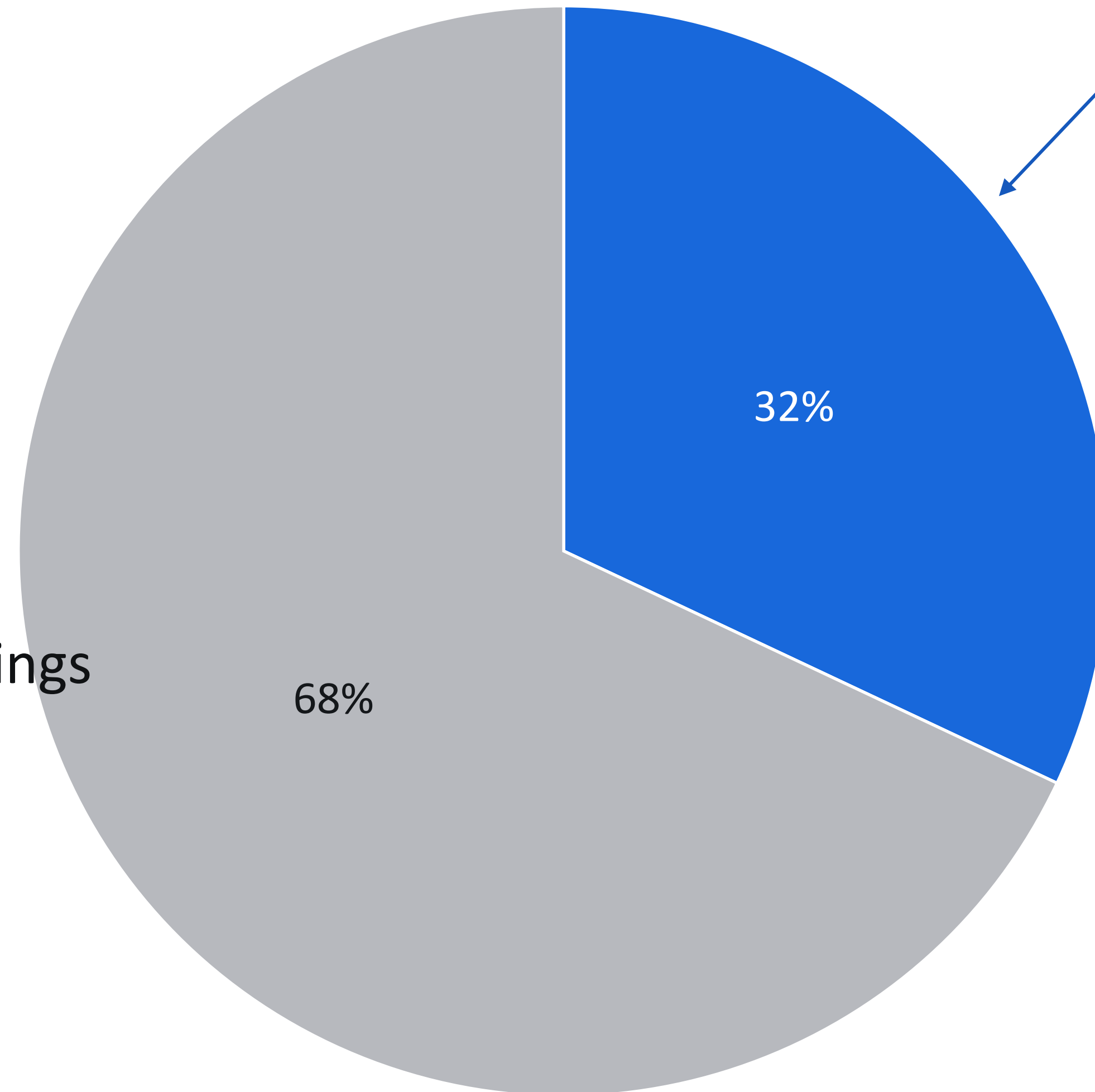
Other things

Spend Less Time Looking for Things

AI Search

Correct Tech Debt

Autofix



Time spent coding

Code Generation / Debugging

Create Documentation

Pull Request Summaries

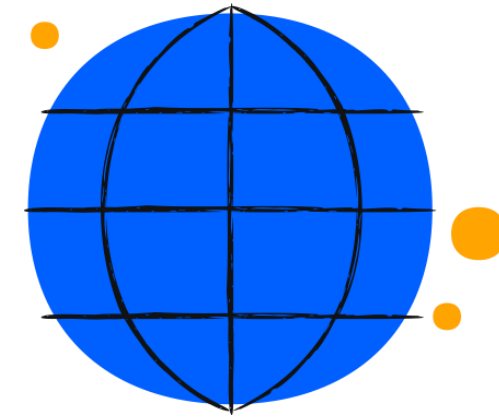
Create Unit Tests



AI

Artificial Andrew

Improving Developer Experience with AI



Current AI capabilities are amazing

Coding assistants **are** helping developers, even if they aren't improving **existing** DevEx challenges



Ask devs where to improve

Identify the challenges THEN potential solutions, which **could include AI**



Use AI where appropriate

AI can be used to **improve developer experience** outside of just coding



AI

Artificial Andrew



Thank you! 