DEVX360

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DevX360 User Manual

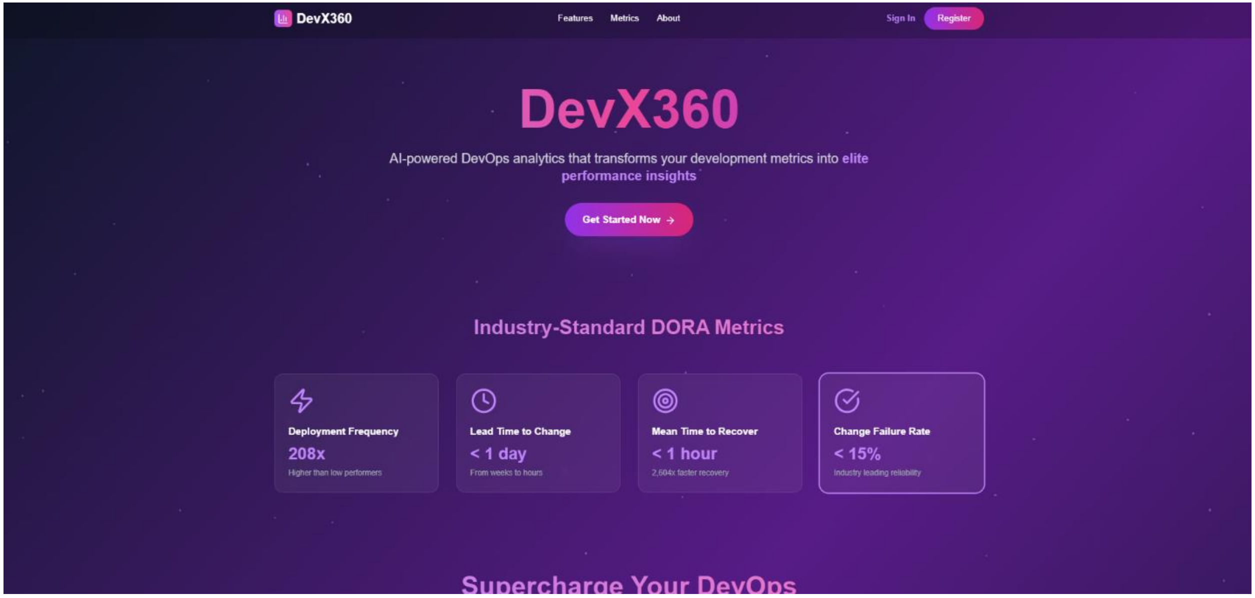
1. Getting Started

1.1 Prerequisites Before Running the App

Before launching the DevX360 app:

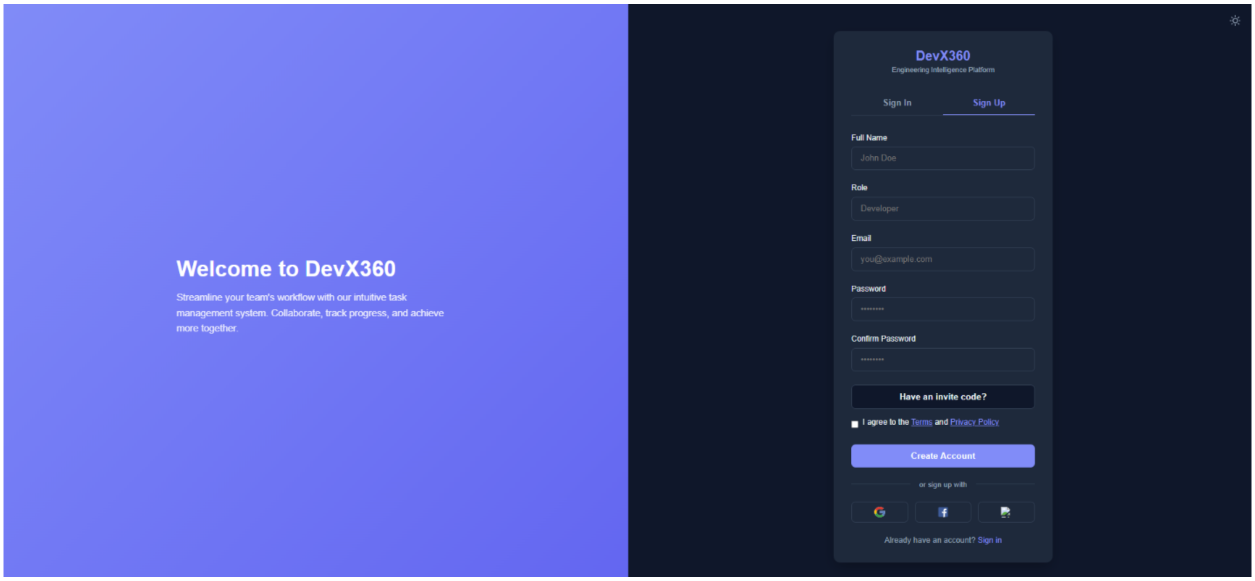
1. **Start the API**
   - Follow the setup instructions in the official README: API Setup Guide
2. **Run the Frontend App**
   - Navigate to the `devx360-react/src` folder:
     ```
     cd devx360-react/src
     ```
   - Install dependencies:
     ```
     npm install
     ```
   - Start the development server:
     ```
     npm start
     ```

1.2 Landing Page



AI-powered DevOps analytics that transforms your development metrics into elite performance insights

1.3 Registration



Welcome to DevX360

Streamline your team's workflow with our intuitive task management system. Collaborate, track progress, and achieve more together.

DevX360

Engineering Intelligence Platform

Sign In | Sign Up

Full Name: John Doe

Role: Developer

Email: you@example.com

Password: ••••••••

Confirm Password: ••••••••

Have an invite code?

□ I agree to the Terms and Privacy Policy

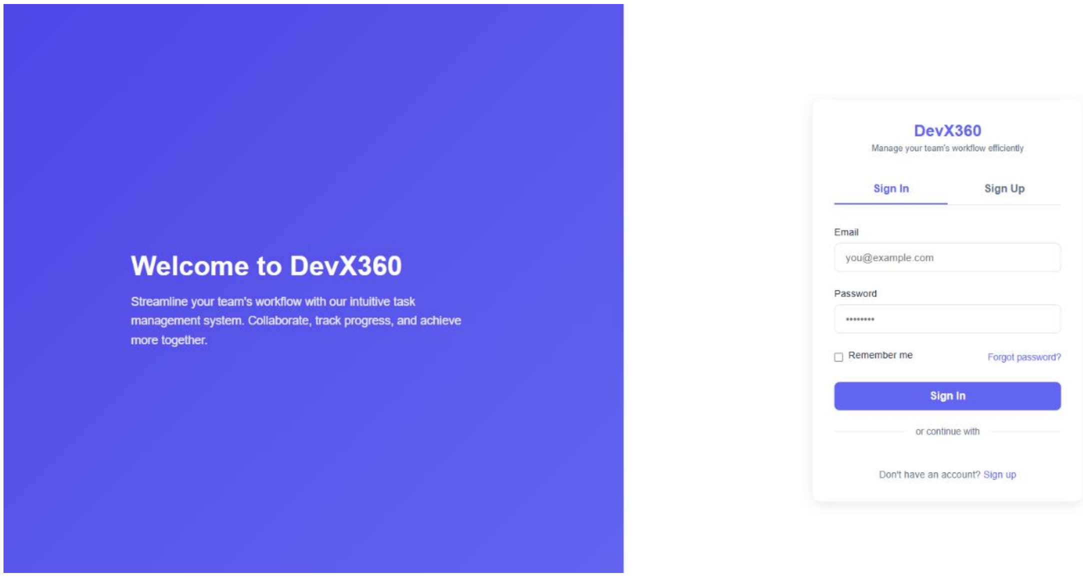
Create Account

or sign up with

Already have an account? Sign in

1. Click “Sign Up” on the login page or If you clicked “Register” on the Landing Page
2. Enter your details (name, email, role)
3. Verify your email address
4. Log in with your credentials

1.3 Login



Welcome to DevX360

Streamline your team's workflow with our intuitive task management system. Collaborate, track progress, and achieve more together.

DevX360

Manage your team's workflow efficiently

Sign In | Sign Up

Email: you@example.com

Password: ••••••••

□ Remember me

Forgot password?

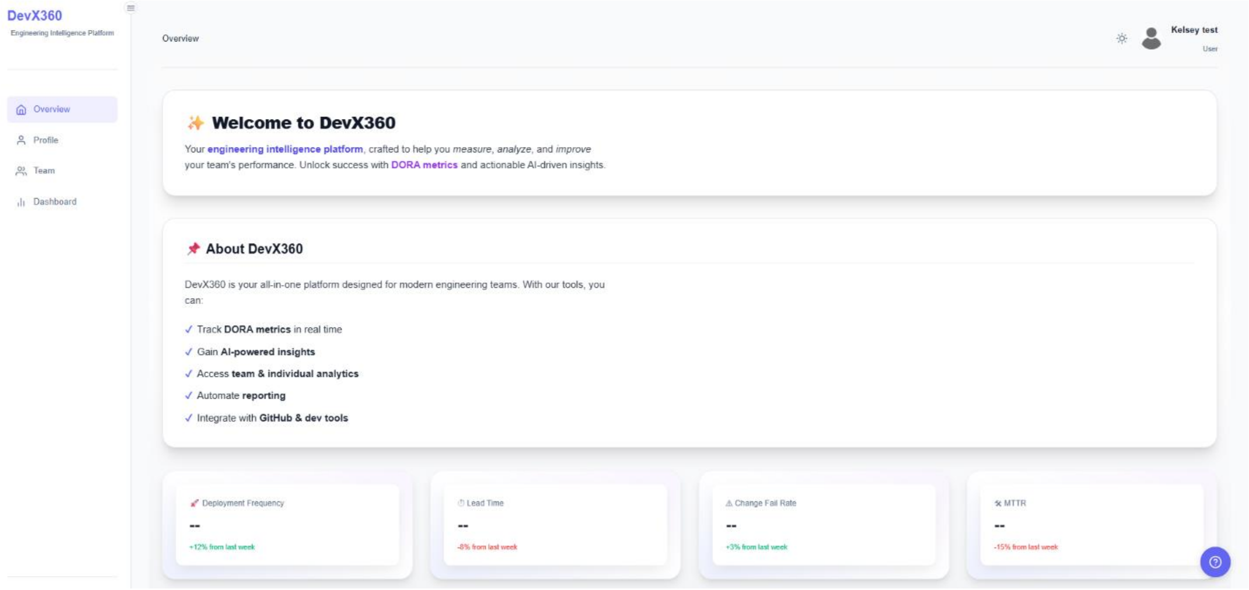
Sign In

or continue with

Don't have an account? Sign up

1. Enter email and password
2. Press Sign in

2. Overview



✨ **Welcome to DevX360**

Your **engineering intelligence platform**, crafted to help you *measure*, *analyze*, and *improve* your team's performance. Unlock success with **DORA metrics** and actionable AI-driven insights.

📌 **About DevX360**

DevX360 is your all-in-one platform designed for modern engineering teams. With our tools, you can:

✓ Track **DORA metrics** in real time

✓ Gain **AI-powered insights**

✓ Access **team & individual analytics**

✓ Automate **reporting**

✓ Integrate with **GitHub & dev tools**

2.1 Navigation

1. **Sidebar Menu**: Access different sections
2. **User Profile**: View/update your details
3. **Theme Toggle**: Switch between light/dark mode
4. **Dashboard**: Showing your teams Metrics

2.2 Key Metrics

- Deployment Frequency
- Lead Time for Changes
- Change Failure Rate
- Mean Time to Recovery

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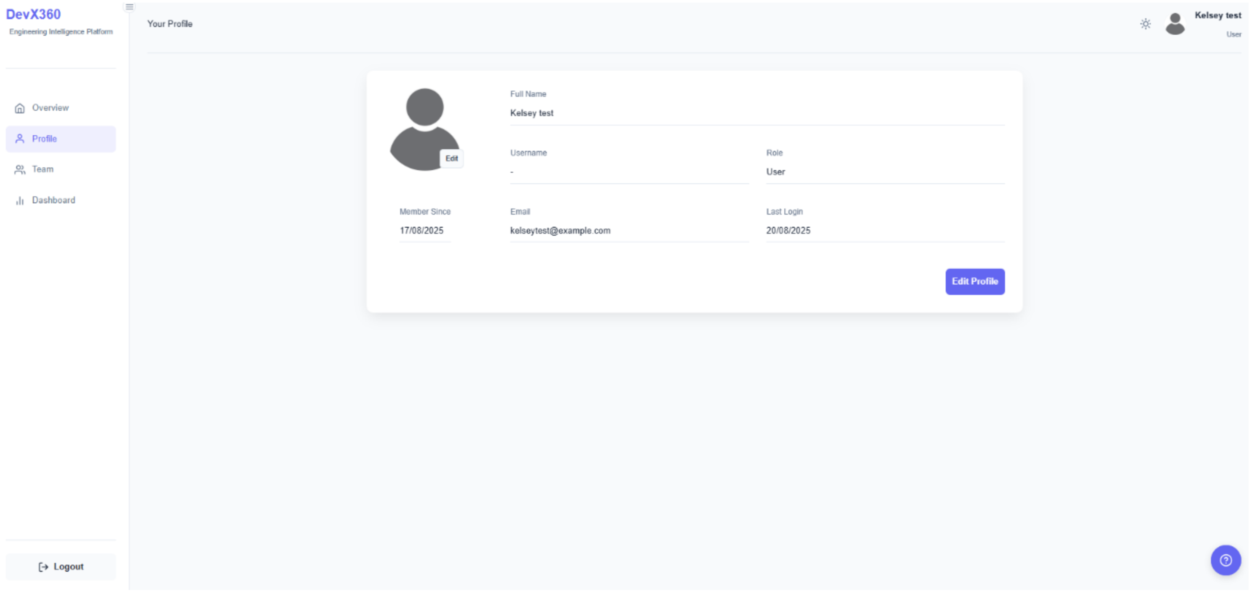
3. Profile



Full Name
Kelsey test

Username
-

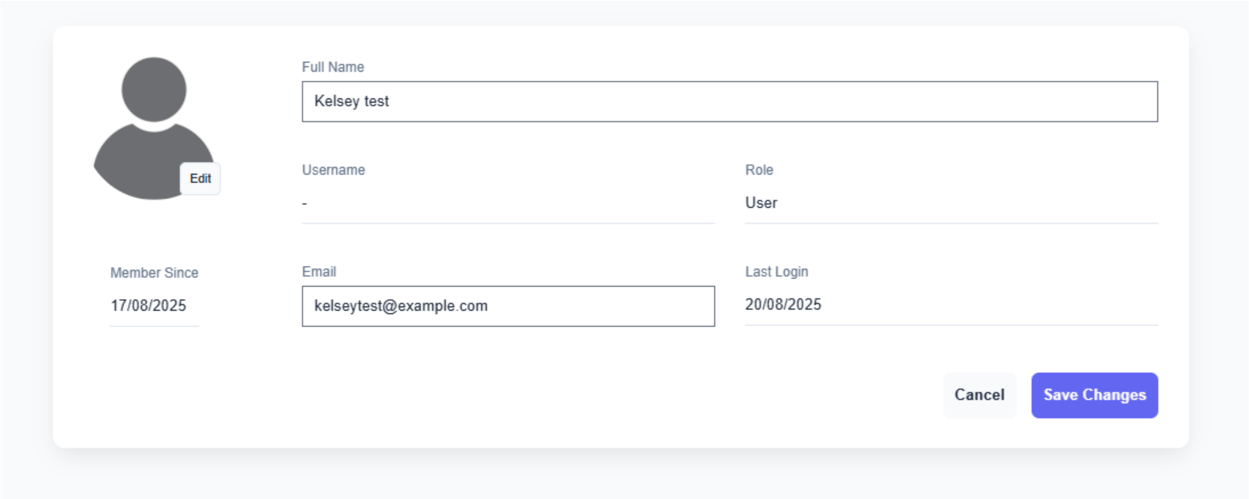
Role
User

Member Since
17/08/2025

Email
kelseytest@example.com

Last Login
20/08/2025

3.1 Edit Profile



Full Name
Kelsey test

Username
-

Role
User

Member Since
17/08/2025

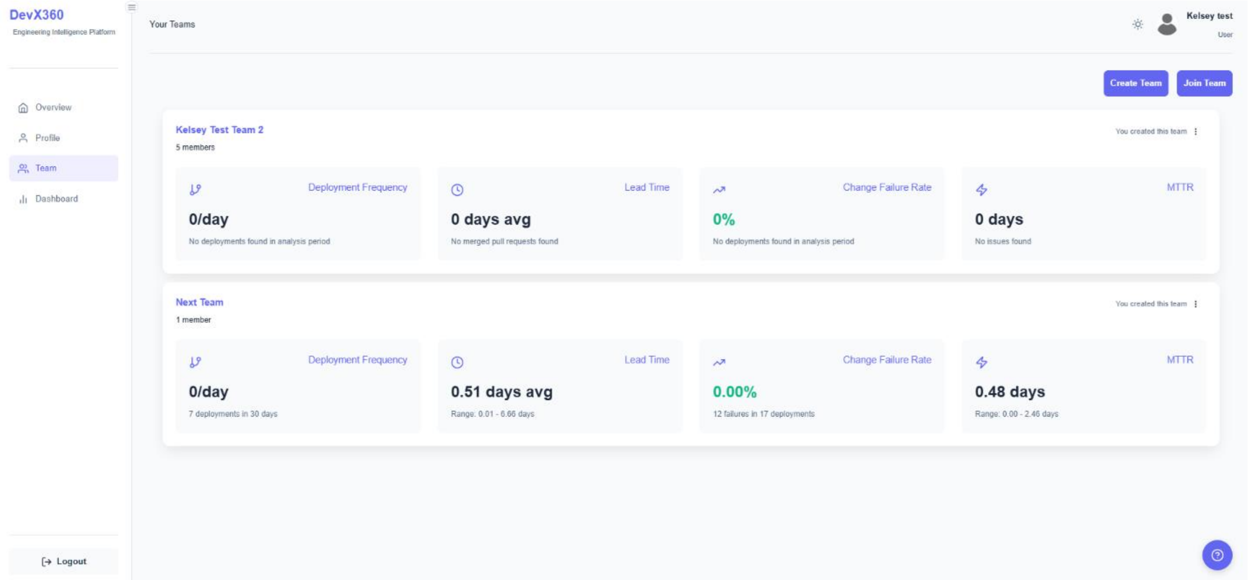
Email
kelseytest@example.com

Last Login
20/08/2025

3.1 Edit Profile Picture

1. Click “Edit” by profile picture
2. Choose the picture you want to upload

4. Team Management



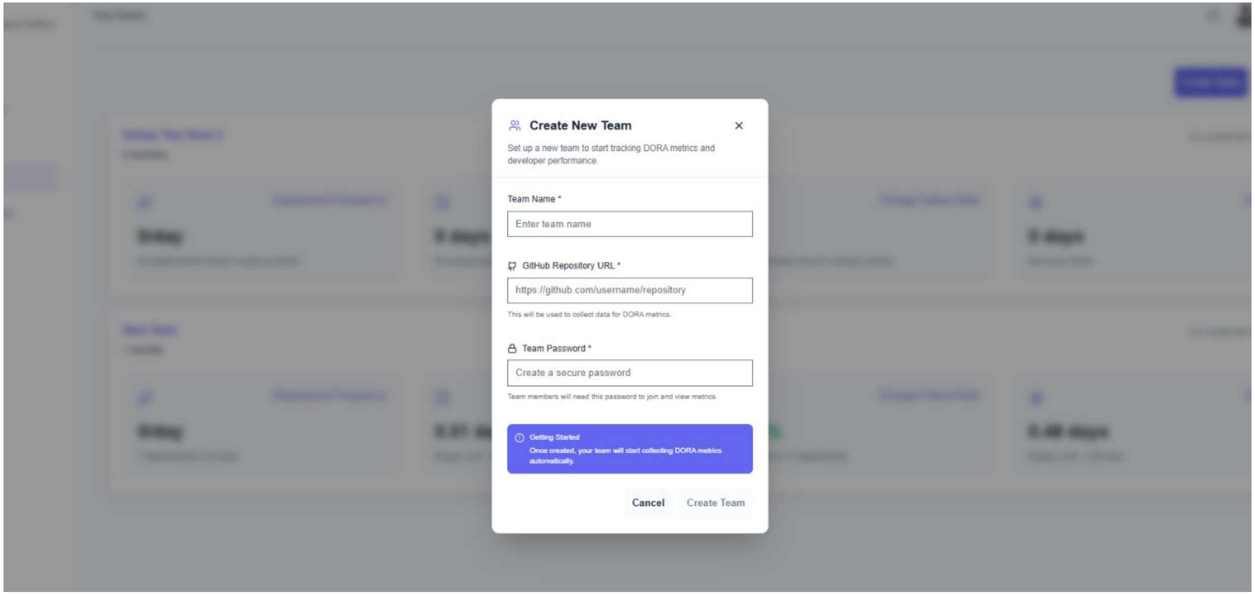
Kelsey Test Team 2
5 members
You created this team

Deployment Frequency	Lead Time	Change Failure Rate	MTTR
0/day	0 days avg	0%	0 days
No deployments found in analysis period	No merged pull requests found	No deployments found in analysis period	No issues found

Next Team
1 member
You created this team

Deployment Frequency	Lead Time	Change Failure Rate	MTTR
0/day	0.51 days avg	0.00%	0.48 days
7 deployments in 30 days	Range: 0.01 - 6.66 days	12 failures in 17 deployments	Range: 0.00 - 2.46 days

4.1 Creating a Team


Create New Team

Set up a new team to start tracking DORA metrics and developer performance.

Team Name *

Enter team name

GitHub Repository URL *

https://github.com/username/repository

This will be used to collect data for DORA metrics.

Team Password *

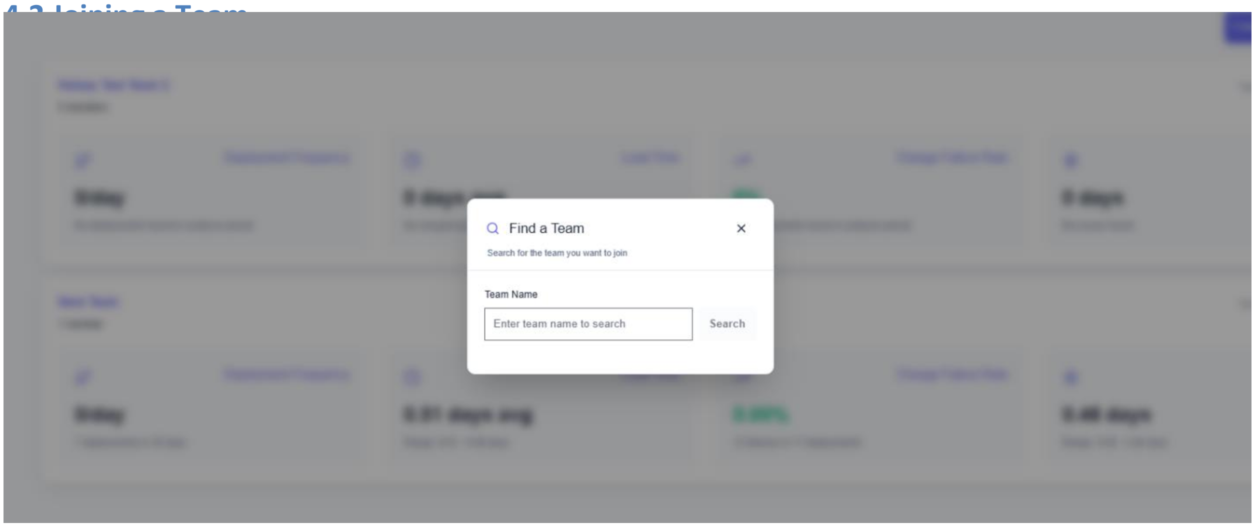
Create a secure password

Team members will need this password to join and view metrics.

Getting Started
Once created, your team will start collecting DORA metrics automatically.

1. Navigate to Team section
2. Click “Create New Team”
3. Enter team name, password and GitHub repo URL
4. Click “Create Team”

4.2 Joining a Team



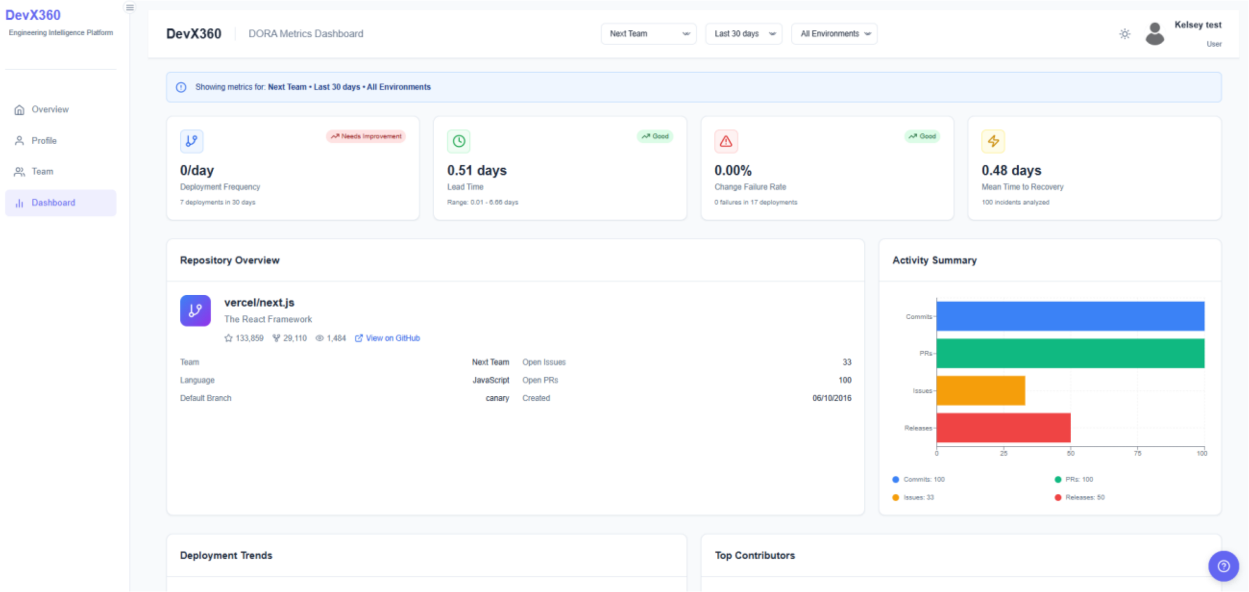
Find a Team

Search for the team you want to join

Click “Join team”

1. Get team name and password from your manager
2. Search for the team
3. Enter password when prompted

4. Metrics Dashboard



DevX360
Engineering Intelligence Platform

- Overview
- Profile
- Team
- Dashboard

DevX360 | DORA Metrics Dashboard

Next Team | Last 30 days | All Environments

Kelsey test
User

Showing metrics for: **Next Team • Last 30 days • All Environments**

Needs Improvement	Good	Good	
0/day	**0.51 days**	**0.00%**	**0.48 days**
Deployment Frequency	Lead Time	Change Failure Rate	Mean Time to Recovery
7 deployments in 30 days	Range: 0.01 - 6.66 days	0 failures in 17 deployments	100 incidents analyzed

Repository Overview

vercel/next.js
The React Framework
133,859 · 29,110 · 1,484 · View on GitHub

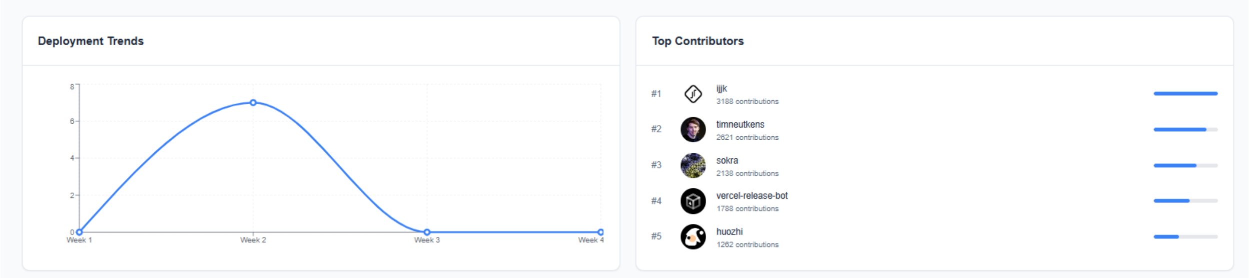
Team	Next Team	Open Issues	33
Language	JavaScript	Open PRs	100
Default Branch	canary	Created	06/10/2016

Activity Summary

Deployment Trends

Top Contributors

4.0 Deployment trend and top contributors



Deployment Trends

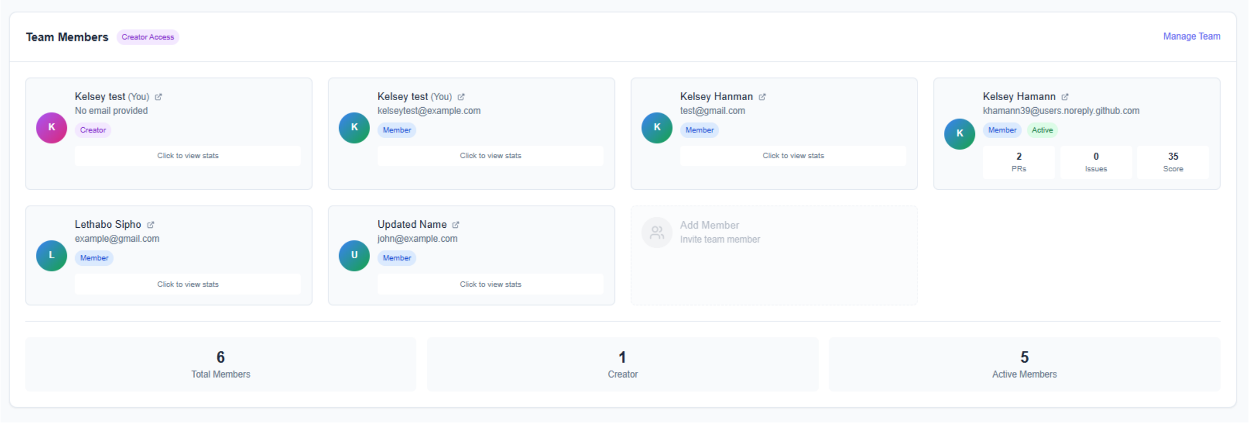
Top Contributors

#1	ijjk	3188 contributions
#2	timneutkens	2621 contributions
#3	sokra	2138 contributions
#4	vercel-release-bot	1788 contributions
#5	huozhi	1262 contributions

4.1 Understanding DORA Metrics

- **Deployment Frequency**: How often your team deploys code
- **Lead Time**: Time from commit to production
- **Change Failure Rate**: Percentage of failed deployments
- **MTTR**: How quickly you recover from failures

4.2 RBAC/Role Based Access Control



Team Members Creator Access

Manage Team

Kelsey test (You)
No email provided
Creator
Click to view stats

Kelsey test (You)
kelseytest@example.com
Member
Click to view stats

Kelsey Hanman
test@gmail.com
Member
Click to view stats

Kelsey Hamann
khamann39@users.noreply.github.com
Member Active

2	0	35
PRs	Issues	Score

Lethabo Sipho
example@gmail.com
Member
Click to view stats

Updated Name
john@example.com
Member
Click to view stats

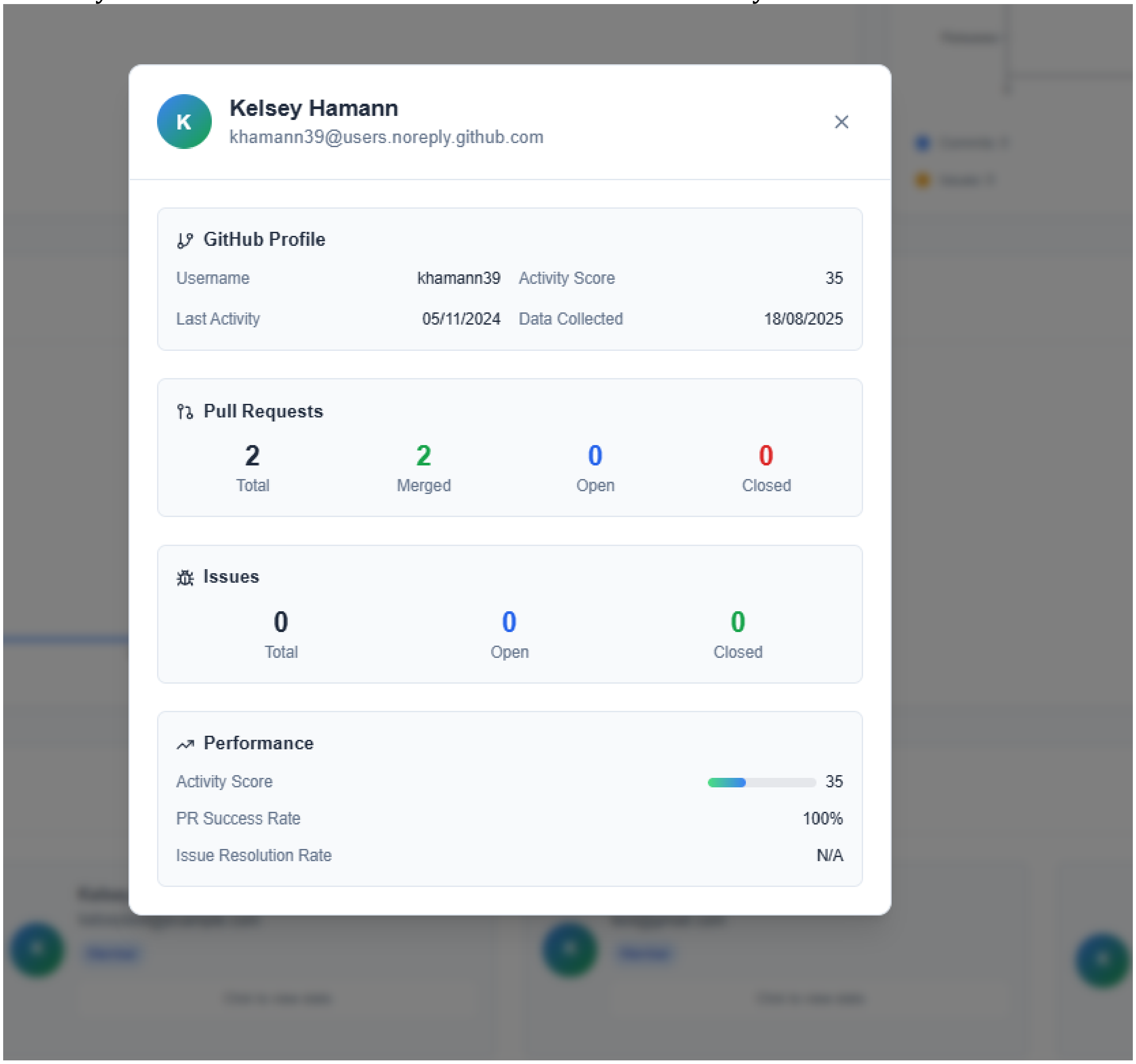
Add Member
Invite team member

6	1	5
Total Members	Creator	Active Members

4.2 Team Creator

if you create the team that means you have higher access than other members of a team, you are technically the “Team Manager”

You may Veiw the statistics of memebrs in the team because you have “Creator Access”



Kelsey Hamann

khamann39@users.noreply.github.com

GitHub Profile

Username	khamann39	Activity Score	35
Last Activity	05/11/2024	Data Collected	18/08/2025

Pull Requests

2	2	0	0
Total	Merged	Open	Closed

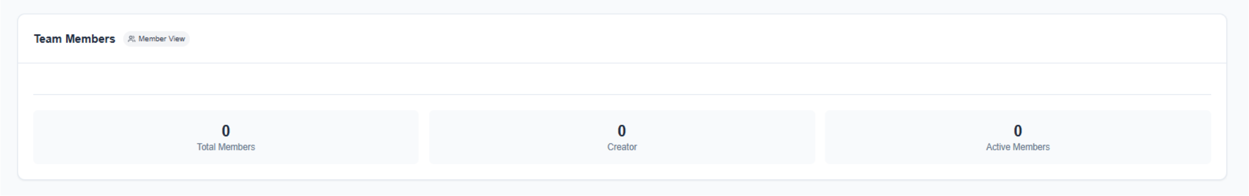
Issues

0	0	0
Total	Open	Closed

Performance

Activity Score	35
PR Success Rate	100%
Issue Resolution Rate	N/A

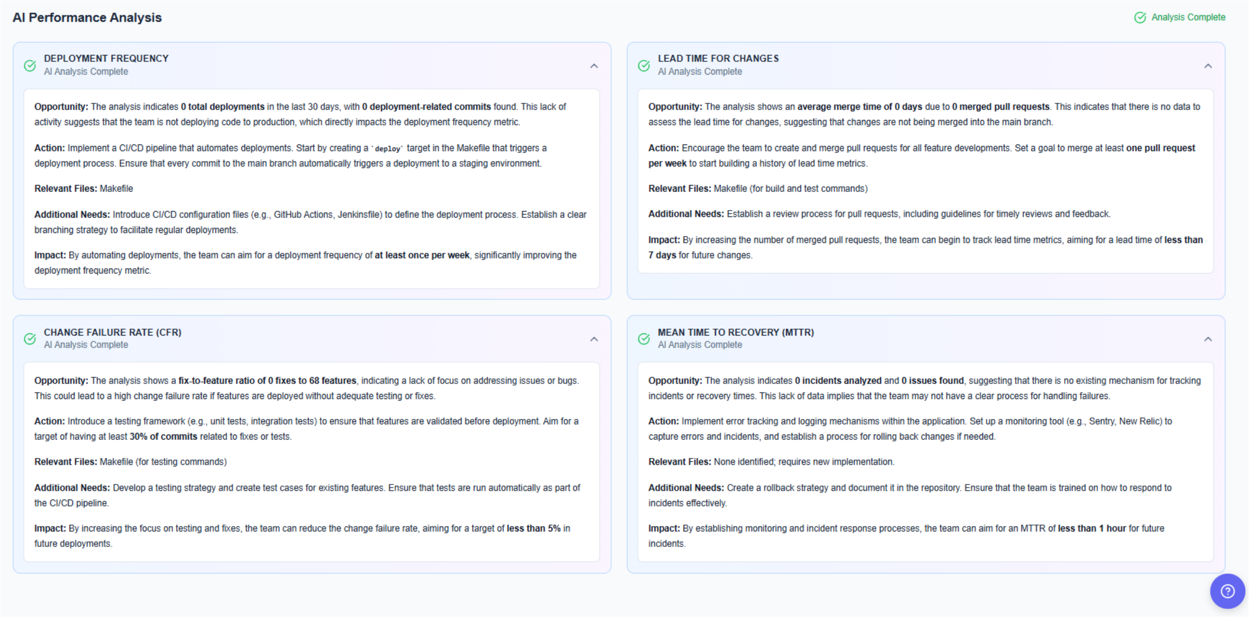
if you are not the “Creator” of a team then you have “Member access”



Team Members

0	0	0
Total Members	Creator	Active Members

5. AI Analysis



AI Performance Analysis

✓ Analysis Complete

✓ DEPLOYMENT FREQUENCY
AI Analysis Complete

Opportunity: The analysis indicates **0 total deployments** in the last 30 days, with **0 deployment-related commits** found. This lack of activity suggests that the team is not deploying code to production, which directly impacts the deployment frequency metric.

Action: Implement a CI/CD pipeline that automates deployments. Start by creating a `` `deploy` `` target in the Makefile that triggers a deployment process. Ensure that every commit to the main branch automatically triggers a deployment to a staging environment.

Relevant Files: Makefile

Additional Needs: Introduce CI/CD configuration files (e.g., GitHub Actions, Jenkinsfile) to define the deployment process. Establish a clear branching strategy to facilitate regular deployments.

Impact: By automating deployments, the team can aim for a deployment frequency of **at least once per week**, significantly improving the deployment frequency metric.

✓ LEAD TIME FOR CHANGES
AI Analysis Complete

Opportunity: The analysis shows an **average merge time of 0 days** due to **0 merged pull requests**. This indicates that there is no data to assess the lead time for changes, suggesting that changes are not being merged into the main branch.

Action: Encourage the team to create and merge pull requests for all feature developments. Set a goal to merge at least **one pull request per week** to start building a history of lead time metrics.

Relevant Files: Makefile (for build and test commands)

Additional Needs: Establish a review process for pull requests, including guidelines for timely reviews and feedback.

Impact: By increasing the number of merged pull requests, the team can begin to track lead time metrics, aiming for a lead time of **less than 7 days** for future changes.

✓ CHANGE FAILURE RATE (CFR)
AI Analysis Complete

Opportunity: The analysis shows a **fix-to-feature ratio of 0 fixes to 68 features**, indicating a lack of focus on addressing issues or bugs. This could lead to a high change failure rate if features are deployed without adequate testing or fixes.

Action: Introduce a testing framework (e.g., unit tests, integration tests) to ensure that features are validated before deployment. Aim for a target of having at least **30% of commits** related to fixes or tests.

Relevant Files: Makefile (for testing commands)

Additional Needs: Develop a testing strategy and create test cases for existing features. Ensure that tests are run automatically as part of the CI/CD pipeline.

Impact: By increasing the focus on testing and fixes, the team can reduce the change failure rate, aiming for a target of **less than 5%** in future deployments.

✓ MEAN TIME TO RECOVERY (MTTR)
AI Analysis Complete

Opportunity: The analysis indicates **0 incidents analyzed** and **0 issues found**, suggesting that there is no existing mechanism for tracking incidents or recovery times. This lack of data implies that the team may not have a clear process for handling failures.

Action: Implement error tracking and logging mechanisms within the application. Set up a monitoring tool (e.g., Sentry, New Relic) to capture errors and incidents, and establish a process for rolling back changes if needed.

Relevant Files: None identified; requires new implementation.

Additional Needs: Create a rollback strategy and document it in the repository. Ensure that the team is trained on how to respond to incidents effectively.

Impact: By establishing monitoring and incident response processes, the team can aim for an MTTR of **less than 1 hour** for future incidents.

5.1 Requesting Analysis

1. Navigate to Metrics dashboard
2. Wait for processing (typically 0-30 seconds)
3. View results in the AI Feedback section

5.2 Understanding Suggestions

AI provides recommendations on:

- Code quality improvements
- Process optimizations
- Team workflow suggestions

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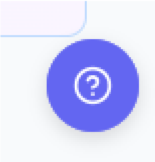
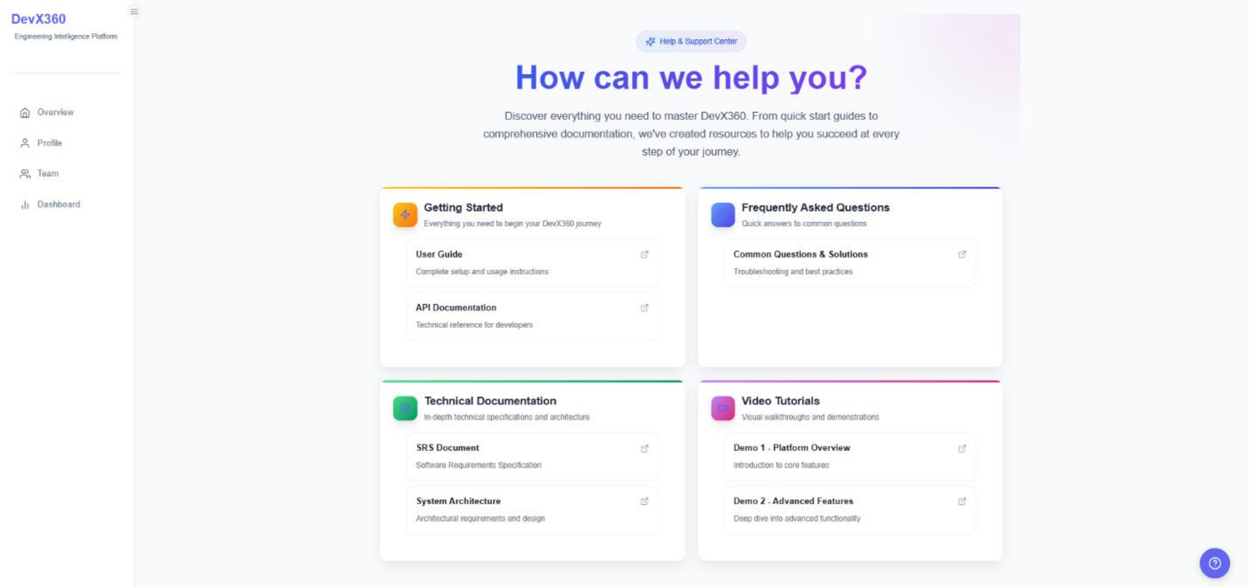
6. Help Menu

Click on the Question mark on right botton corner



Shows you a variety of Help Navigations that may help you



DevX360
Engineering Intelligence Platform

- Overview
- Profile
- Team
- Dashboard

Help & Support Center

How can we help you?

Discover everything you need to master DevX360. From quick start guides to comprehensive documentation, we've created resources to help you succeed at every step of your journey.

Getting Started
Everything you need to begin your DevX360 journey

- **User Guide** – Complete setup and usage instructions
- **API Documentation** – Technical reference for developers

Frequently Asked Questions
Quick answers to common questions

- **Common Questions & Solutions** – Troubleshooting and best practices

Technical Documentation
In-depth technical specifications and architecture

- **SRS Document** – Software Requirements Specification
- **System Architecture** – Architectural requirements and design

Video Tutorials
Visual walkthroughs and demonstrations

- **Demo 1 - Platform Overview** – Introduction to core features
- **Demo 2 - Advanced Features** – Deep dive into advanced functionality

7. Troubleshooting

Common Issues

Problem: Can’t see team metrics
Solution: Ensure you’re added to the team and have correct permissions

Problem: GitHub repo not connecting
Solution: Check repository URL and ensure proper access rights

Problem: AI analysis taking too long
Solution: Larger repos may take more time. Check back in 10 minutes.

Problem: Can not see member stats **Solution**: Memeber did not sign in using Github