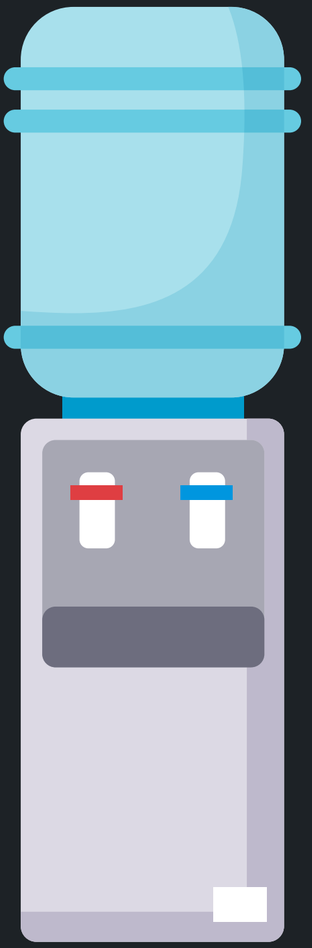
↑ Water Intake

↓ “Friction”



Developer Experience

How can we improve the Developer Experience of our CS3281 mentees?

WIIFY? Support your mentees!

Agenda

01

What is DevEx

02

Why it matters

03

How to improve DevEx for our mentees

1. What is DevEx

What is DevEx

How systems, technology, processes and culture affect developers

“Can your mentees code efficiently?”

“Do they enjoy working on the project?”

“Do they feel ‘valuable’?”

What is DevEx

$$(\text{Productivity} + \text{Impact} + \text{Satisfaction})^{C} = \text{Developer Experience}$$

C = Collaboration

2. Why DevEx

Why DevEx

- Innovate more
- Collaborate seamlessly
- Move quickly
- Lesser churn

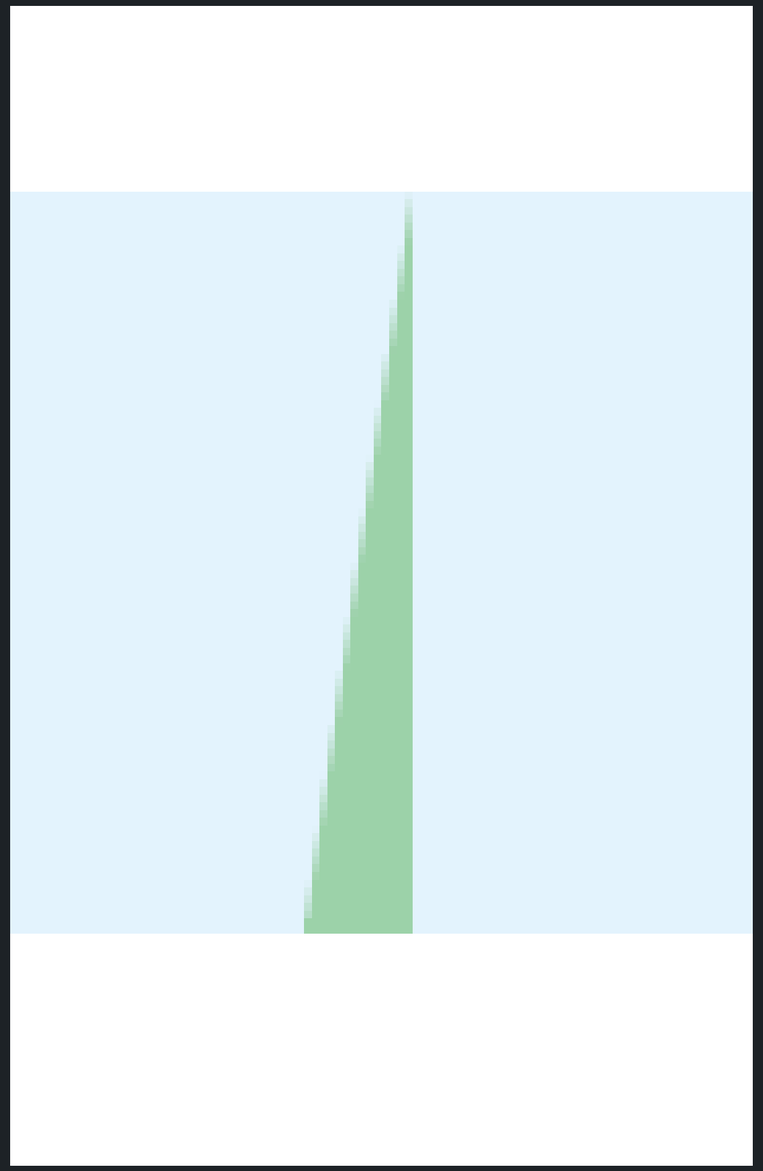
Ramp-Up Time

Idea /
Onboarding

Production /
Deployment

Ramp-Up Time

- First ramp in RepoSense*



3. How to improve DevEx

"RepoSense historically takes the longest time for PR reviews"

1. Enable short feedback loops

- Prioritize timely code reviews
- Optimize workflows and tools to get feedback faster

Sasha 🐑💨 Koss ✱ @kossnocorp · Jan 23

How @bunjavascript can be *that* faster? I don't get it.

0.8s vs. 20s is 🤯

```
ıs on  main [$!] time npx vitest run &> /dev/null
:est run &> /dev/null  46.12s user 114.29s system 795% cpu 20.158 total

ıs on  main [$!] time bun test ./src/**/test.ts &> /dev/null
;t ./src/**/test.ts &> /dev/null  0.45s user 0.37s system 96% cpu 0.840
```

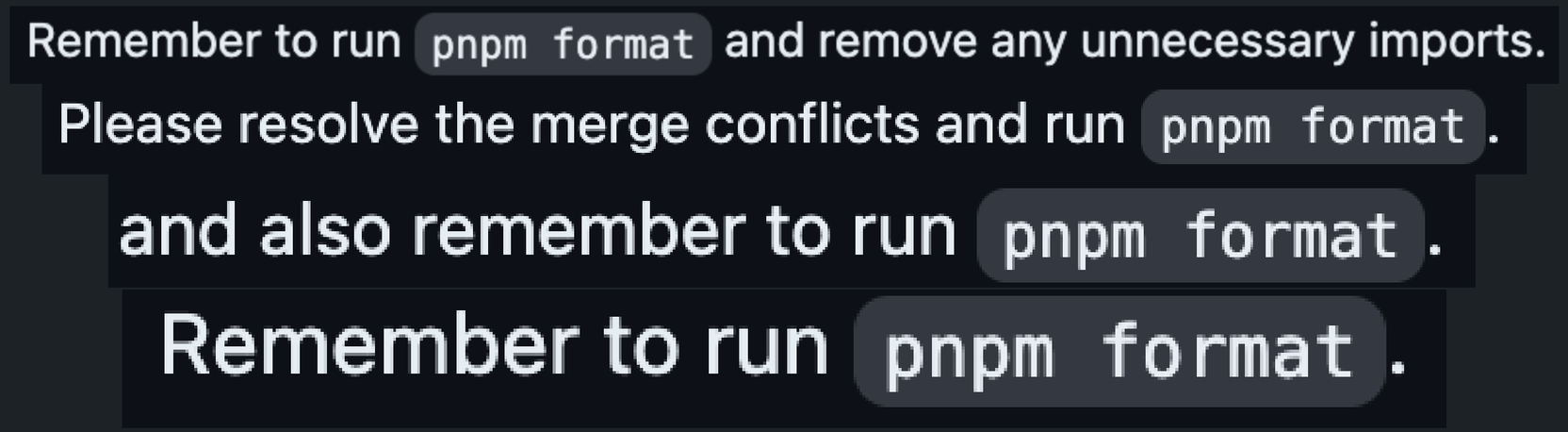
13 12 219 52K

2. Make it easy to collaborate

- Make sure knowledge is not lost when people move on
- Minimize ramp-up time for new joiners
- Be there to answer questions

3. Automate tedious tasks

- Eliminate repetitive manual work



4. Listen to Feedback

- Run periodic surveys
- Find out what your mentees enjoy using

RECAP

- DevEx = (Productivity + Impact + Satisfaction) ^ Collaboration
- Good DX makes it easier for your mentees to create impact
- How to improve DX for your project
  - Shorten feedback loops
  - Make collaboration easy
  - Automate repetitive tasks
  - Listen to feedback