

# Environments as a Service

Increase developer productivity and improve DX

Sorin Dumitrescu - VP of Engineering @Bunnyshell





# Agenda

1	Challenges
2	Solution
3	Benefits
4	Demo
5	Final thoughts & Use cases



# Engineering teams - Challenges

## Software Engineers

- Simulated dependencies on local environments
- Limited laptop resources
- Maintaining local environment up-to-date & working



## QA Engineers

- Limited (and reduced) number of environments
- Out-of-sync environments
- Testing bundled features



## Lead to

- Issues uncovered late in the process
- Significant re-work
- Sluggish performance while developing locally
- Significant time resources for managing environments
- Bottlenecks at testing
- Long testing queue
- Blocked releases



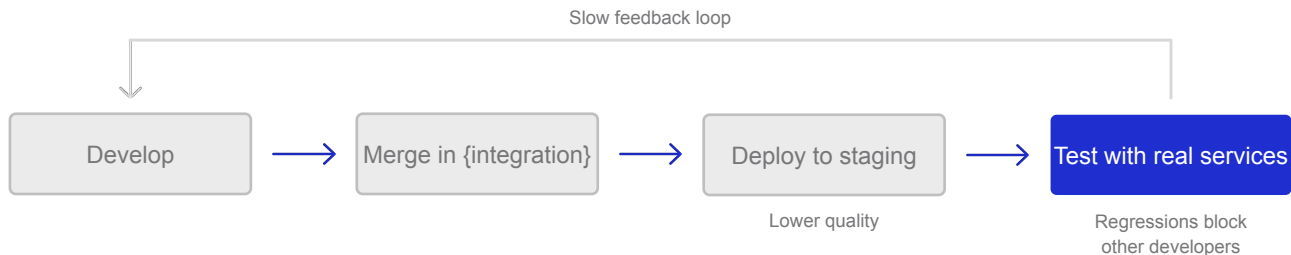
# Solution

+	<b>Self-service platform</b>	Empower Developers & reduce DevOps effort
+	<b>On-demand environments</b>	Create as many environments as needed
+	<b>Preview Environments</b>	Review code & UI on real environments
+	<b>Remote Development</b>	Shorten the feedback loop
+	<b>Cost-conscious</b>	Have only needed environments running

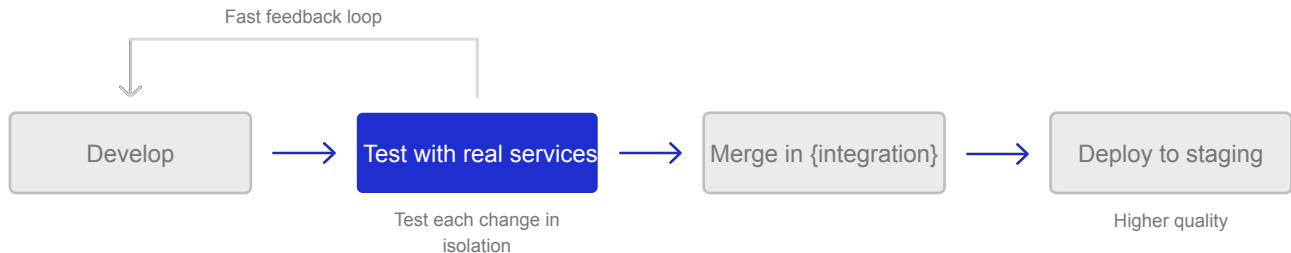


# Development Environments

**before**  
bunny/shell



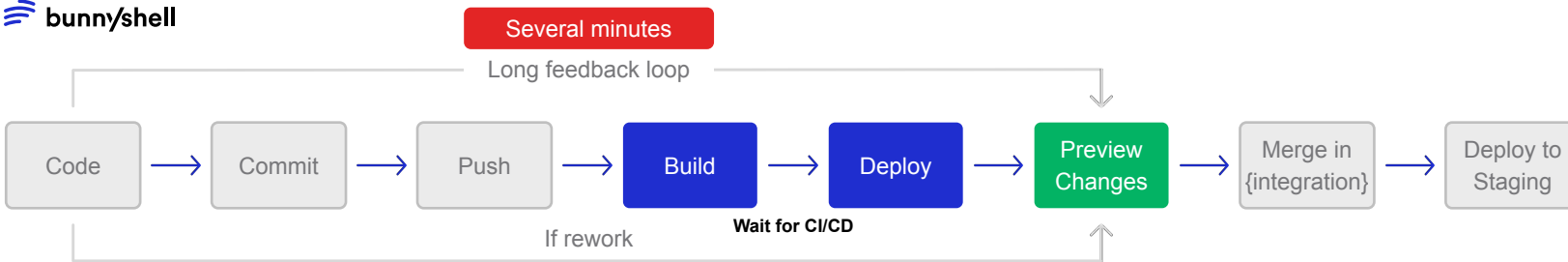
**after**  
bunny/shell



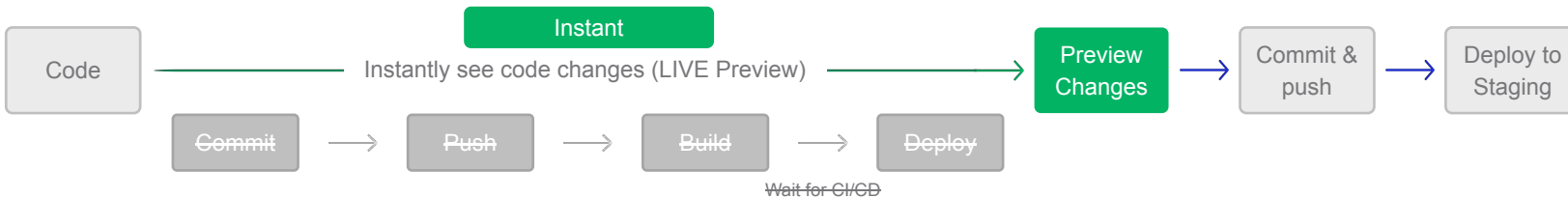


# Remote Development

**before**  
bunnyshell



**after**  
bunnyshell





# Benefits

## Productivity increase

And quality increase

Bring back focus to core activities

More time for:

- Architecture
- Code
- (Automated) Testing

## Streamline processes

And releases

Move faster, shorter feedback loops

- Eliminate idle times
- No more QA bottleneck
- No more blocking unrelated features

## Better reviews

And collaboration

Use a working instance of the product

To perform:

- Code Reviews
- UI Reviews
- Get stakeholder feedback

## Reduce hardware needs

No need for powerful laptops

## Improve onboarding

Learn the platform on a working copy

## Reduce DevOps dependency

For the development setup

# Demo Time

**Sorin Dumitrescu** - VP of Engineering @Bunnyshell

[linkedin.com/in/sorin-dumitrescu/](https://www.linkedin.com/in/sorin-dumitrescu/)  
[sorin.dumitrescu@bunnyshell.com](mailto:sorin.dumitrescu@bunnyshell.com)







# Final Thoughts & Use cases

## Self-service

Enable engineering teams

### Development Environments

Remote Development  
Dev Testing

### Staging Environments

On-demand (manual)  
Preview (automatic)

### E2E Testing Environments

Integrate into your existing CI pipeline

## Cost efficient

+ no need for powerful laptops

# Thank you!

**Sorin Dumitrescu** - VP of Engineering @ Bunnyshell

[linkedin.com/in/sorin-dumitrescu/](https://www.linkedin.com/in/sorin-dumitrescu/)  
[sorin.dumitrescu@bunnyshell.com](mailto:sorin.dumitrescu@bunnyshell.com)

