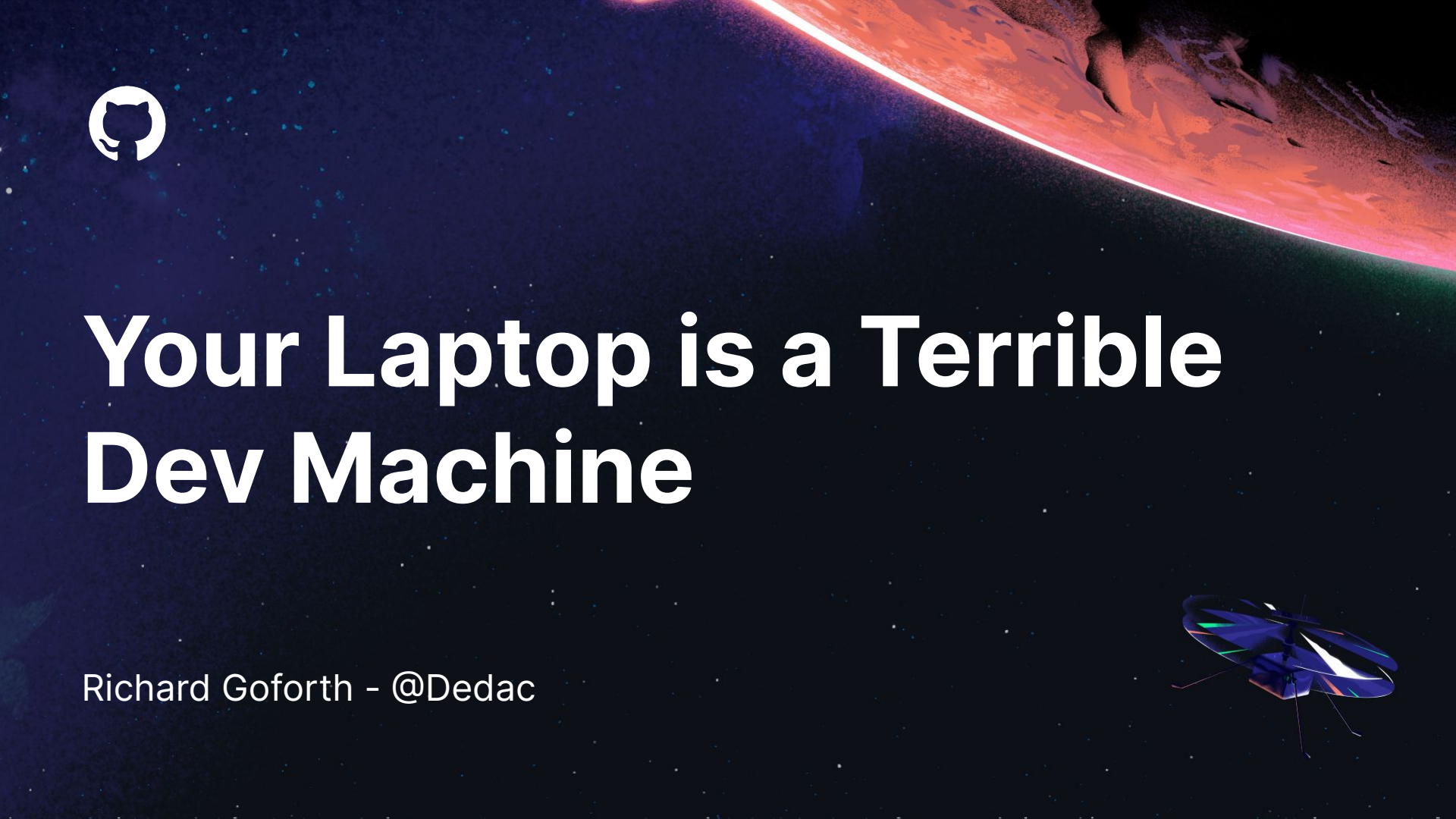


Your Laptop is a Terrible Dev Machine

Richard Goforth - @Dedac

@Dedac

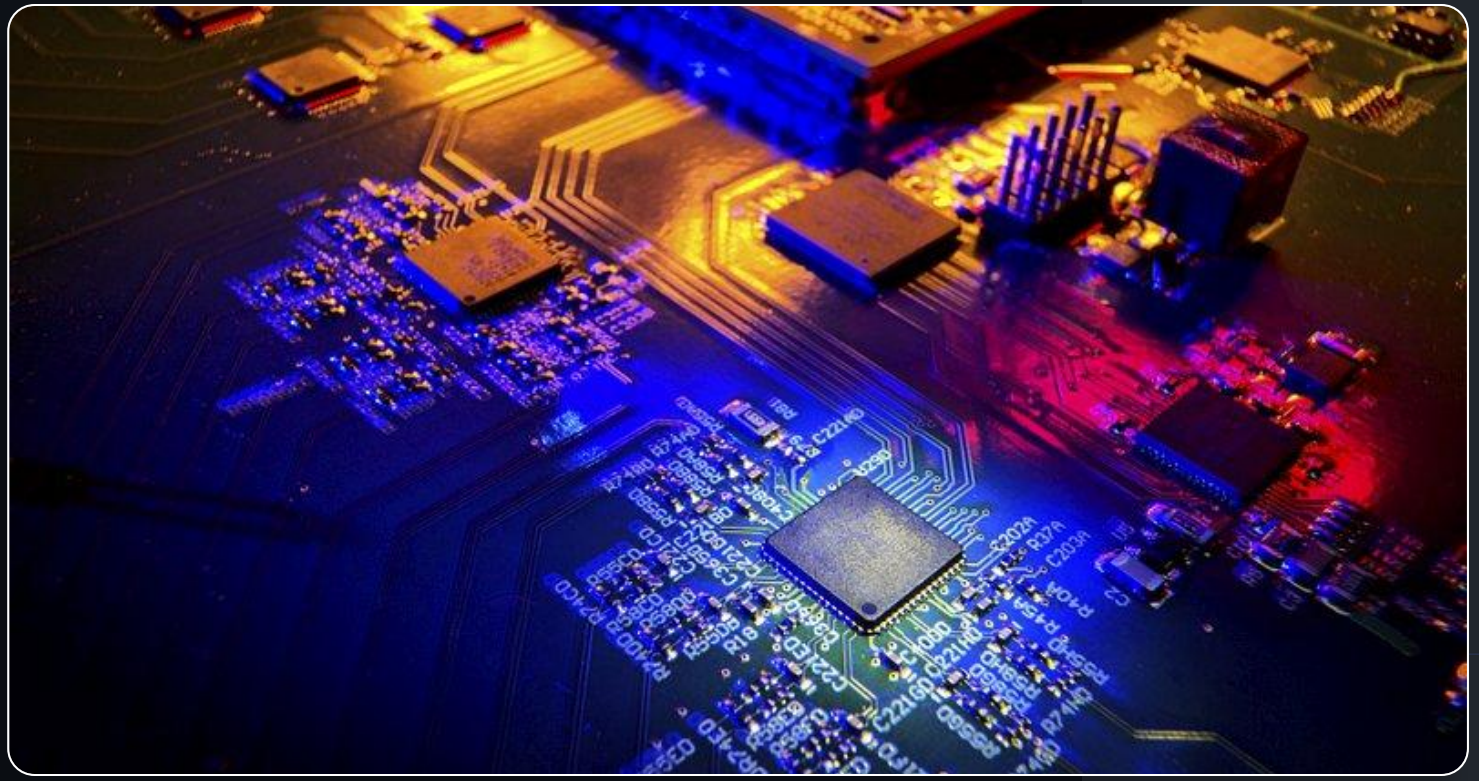
Richard Goforth

Friend to Containerized Development

SPEED
LIMIT
20
STOP

TOSHIBA

NVIDIA



KRISTIN SCHEPERS
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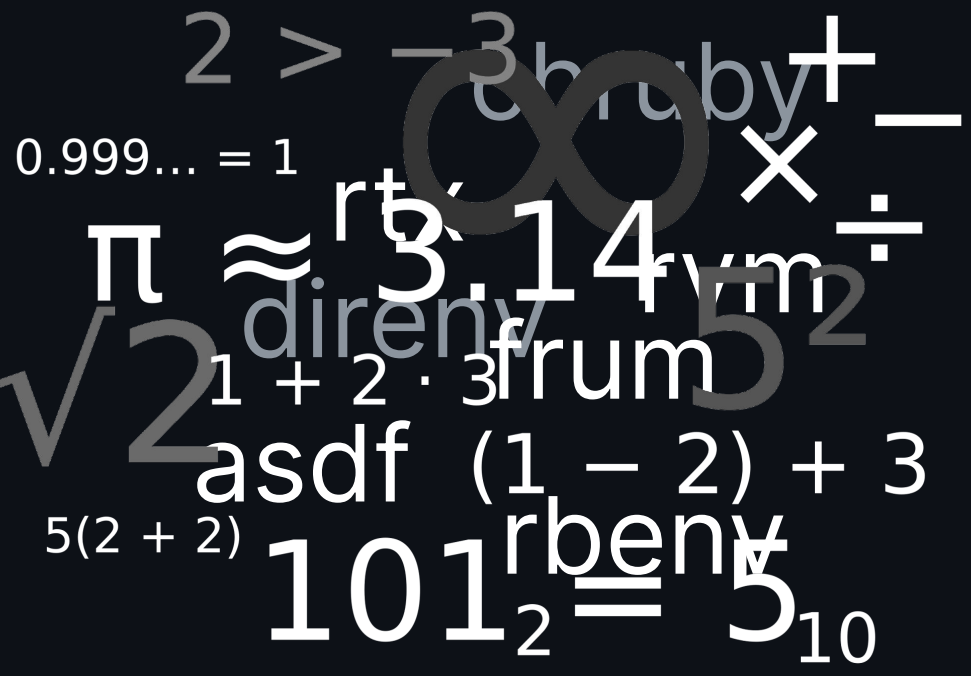
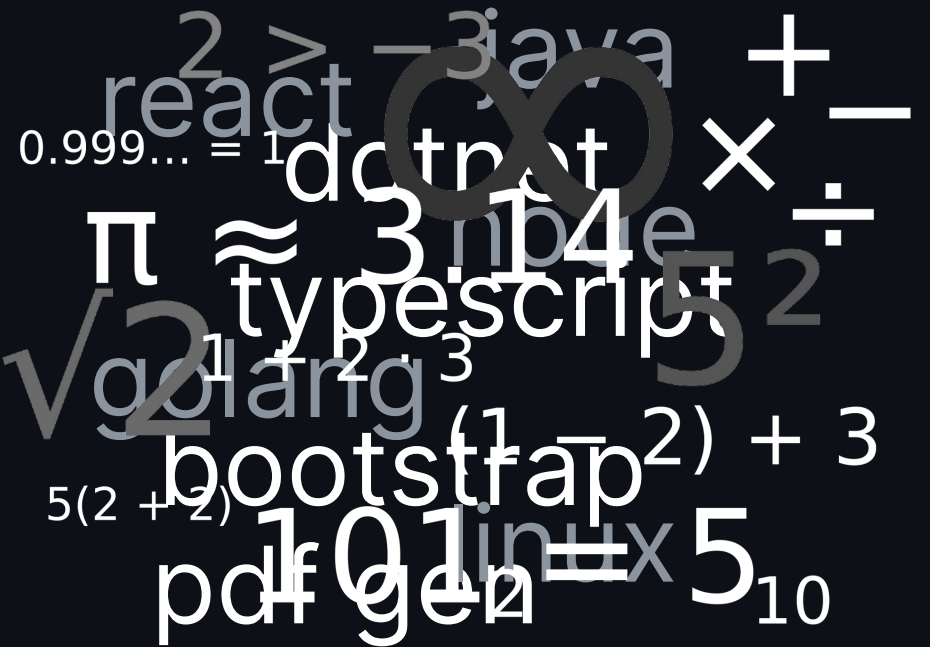
Automation is ‘As Code’

Code	CI	CD	IaC	DE(d)aC
Code Built Locally	Continuous Integration	Continuous Deployment	Infrastructure as Code	Dev Environment (design) as Code
When building on a different architecture, everything could stop working	By creating the build as code we made builds it easier to share code	Deciding that deployments caused a lot of stress, we made them code too	Environments we deploy to are now easily repeatable and more shareable	You are Here

Choose an environment manager for Ruby



Choose a version for ~~Ruby~~ All your languages and frameworks



What does a Dev Container do?

Automate the creation of your dev environment

Immediate, effortless onboarding to any project

Consistent, ephemeral development environments

Development Environment (Design :)) as Code

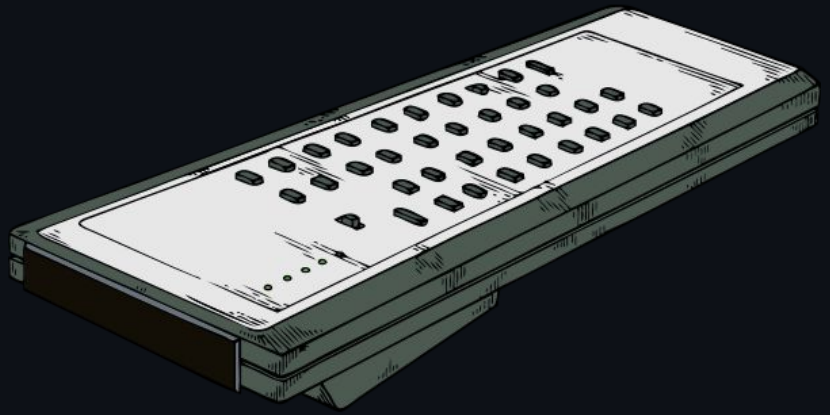
Start Local

IDE Connection	Container Runner
VS Code	Docker Desktop
JetBrains IDEs	Podman
Dev Container CLI	Colima
SSH	WSL2

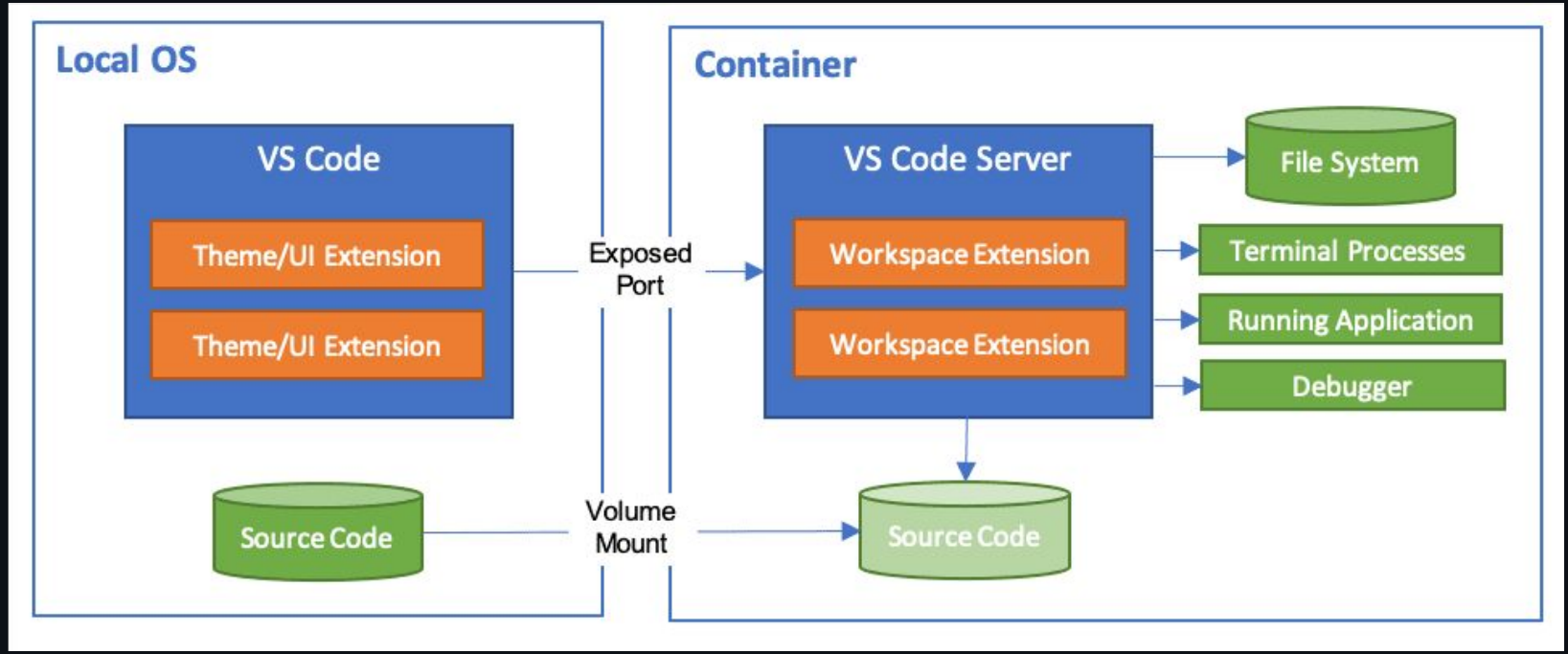
Go Remote

your server... or

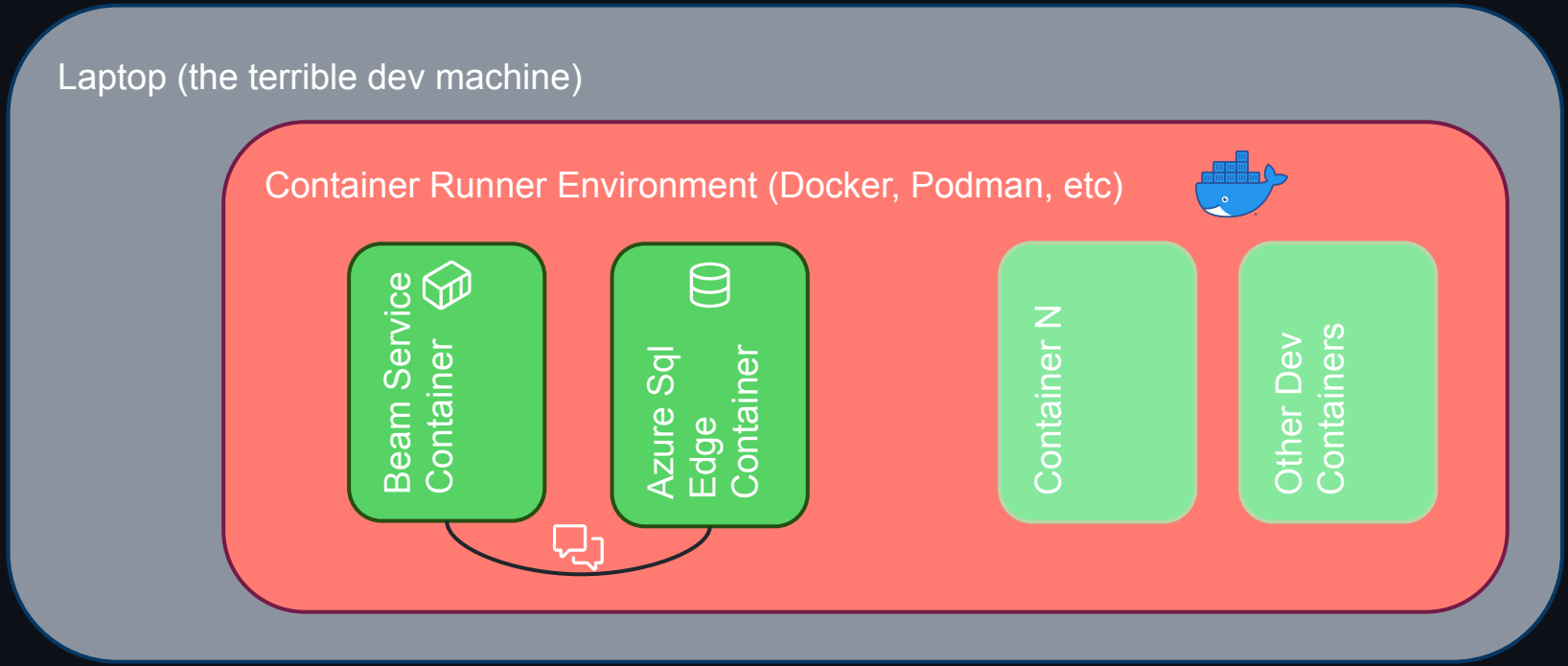
someone else's server
(aka "the cloud")



Containers: How do they work?



Beam Container Configuration



Dev Container Parts

devcontainer.json

The definition file for the environment

Settings

Ports, Machine Size, Configuration

Features

Build

Docker and Docker Compose

Optional

Lifecycle scripts

Optional

When can I use Dev Containers?

The dev environment is linux-based

Not for

- Native Mobile
- Windows UI

A place where someone can maintain the dev environment

Locally or Remotely

How do I get Started?

1. Dev Containers Extension
2. How GitHub uses Codespaces
3. devcontainer specs
4. Demo Repo we have been using!