



# Nix for PHP Developers

Oliver Davies

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Oliver Davies (opdavies)

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*How PHP Developers can create robust and reproducible applications with Nix.*

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# About the author

Oliver Davies is a self-taught Software Developer based in the UK.

He learned to code in 2007 by building a website for a local Tae Kwon-Do School.

After developing the initial version with HTML and CSS, he learned PHP and MySQL in 2008 before adopting Drupal as his content management system of choice.

# Other ways to install PHP

Coming soon...

# Different versions of PHP for different projects

Coming soon...



# What is Nix?

## The language

Coming soon...

## The package manager

Coming soon...

## The build tool

Coming soon...

## The operating system (NixOS)

Coming soon...

# What are the benefits of using Nix?

Coming soon...

## Reproducible software, not just repeatable

Coming soon...

## Imperative vs. declarative

Coming soon...

# What are dev shells?

```
# shell.nix

{
  pkgs ? import <nixpkgs> { },
}:

pkgs.mkShell {
  packages = with pkgs; [
    php
    phpPackages.composer
    phpfactor
  ];
}
```

# dev shells and direnv

Using a local flake:

```
use flake .
```

## Remote dev shells

Using a remote flake:

You can use a `flake.nix` flake in any Git repository, not just the directory you're in.

It can be in a different local directory or a remote Git repository.

For example, you can add this to use the `php84` dev shell within my dev-shells repository:

```
use flake "git+https://code.oliverdavies.uk/opdavies/dev-shells#php84"
```

This will install PHP 8.4, Composer and Phpactor without needing to create a bespoke `flake.nix`.



If you're referencing a GitHub repository, you can use the shorter `github:username/repo` format instead of the full repository URL.

# What are Flakes?

Coming soon...

## Flake templates

Coming soon...

# Configuring PHP with Nix

Coming soon...

# Managing services without NixOS

Coming soon...



# Building derivations of PHP applications

Coming soon...

# Nix vs. Composer

Coming soon...

# Other usages for Nix

Coming soon...

# Organising Nix configurations

Coming soon...