

# Packaging Your Code

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**Rag Dhiman**

PLURALSIGHT AUTHOR

@ragdhiman



# Overview



Creating your file structure

Filling in the gemspec file

Building your gem

Using your gem

Including automated tests

Documenting your gem

Licensing your gem

Gem executable



# Demo



## Creating your file structure

- File structure
- Extracting your code



# Naming Your Gem

## Gem Name

due\_summary

colorize-due\_summary

## Require Statement

```
require 'due_summary'
```

```
require 'colorize/due_summary'
```

## Class Or Module

DueSummary

Colorize:DueSummary



# Demo



## Filling in the `gemspec` file

- Gem description and requirements
- Ruby syntax



# Demo



## Building your gem

- gem build
- gem install



# Demo



## Using your gem

- Todo application
- Notifications application



# Demo



## Including automated tests

- Unit tests
- Running tests with a rake task





# Demo



## Documenting your gem

- Using RDoc
- RDoc generation with a rake task



# Demo



## Licensing your gem

- Gemspec file
- License file



# Demo



## Gem executable

- Including an executable
- Brief mention of extensions



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```
gem build ./my_gem.gemspec
```

- ◀ Location of gems and other information
- ◀ Listing installed gems
- ◀ Install a gem (fetch and unpack)
- ◀ Install a specific version of a gem
- ◀ Uninstall a gem
- ◀ Download a gem without installing
- ◀ Unpack the files from the compressed gem

