Writing Production-grade Python Code



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Agenda



Version control with git
In-line Python error checking
Making code pretty with formatters
Checking for bugs with linters
Simplifying execution with Makefiles



My Thoughts on Git

Time travel

Concurrent development

Complex to learn





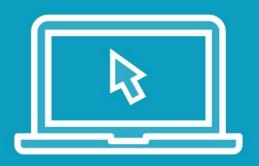
Time travel with git



Some Ideas for Error Checking

File I/O **CLI** arguments Arithmetic Communications Format/structure **Parsing**





Improving durability with error checking



Beautification with Formatters

Eliminate "snowflake" code

Inter-project consistency

Not many features by design





Formatting Python code with "black"



Bug Checking with Linters

Find syntax and styling issues

Fast and secure

Widely used for many languages





Linting Python code with "pylint"



Makefiles to Simplify Operations

Dependencyaware build tool Break up execution phases

Different "targets" for different tasks





Using Makefiles with Python projects



The Clean up Module Review

Makes your life easier

Makes other people's lives easier

Makes your code stronger



Final Thoughts

Many suitable solutions

No single best answer

Thank you!

