



# 10 Tools and Techniques Python Web Developers Should Explore

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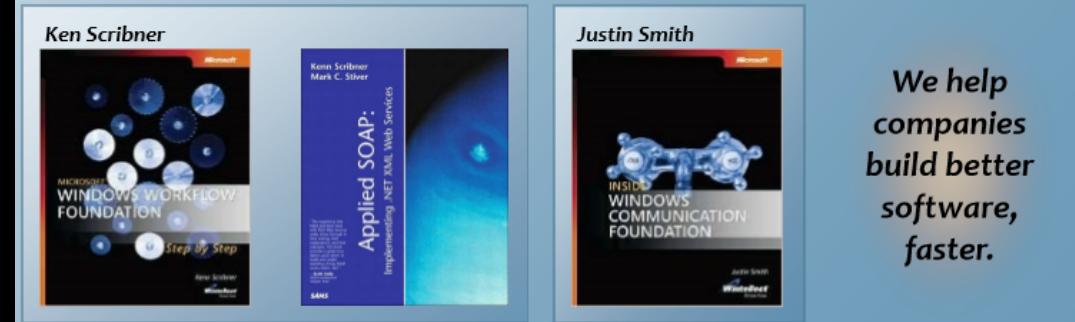
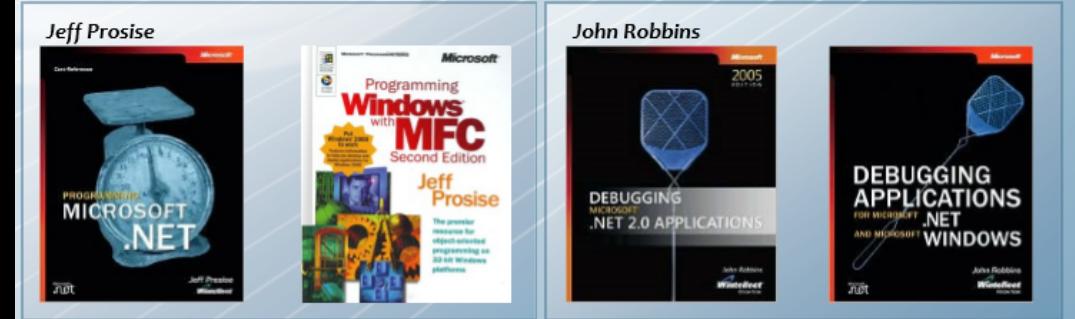
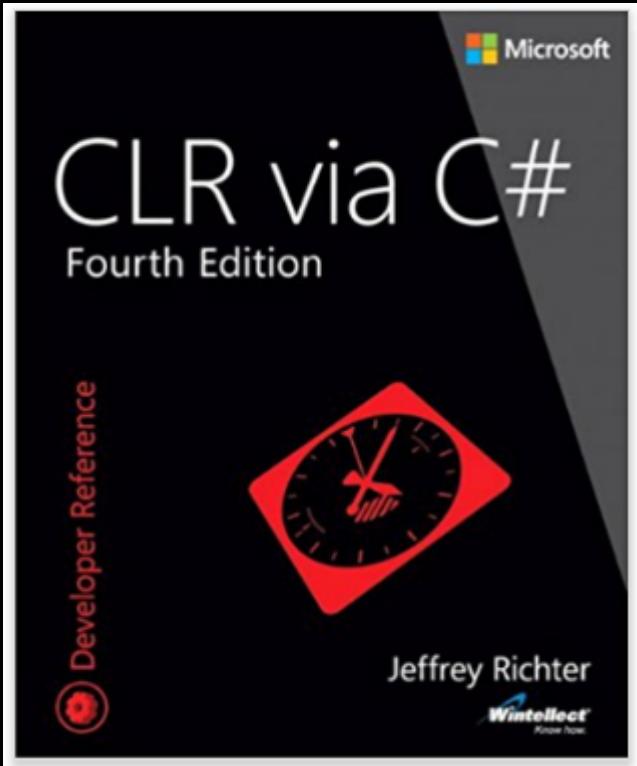


Gold Cloud Platform  
Gold DevOps  
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Silver Application Development



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# Special offer for attendees of this webinar

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For more details, contact Martha Garron at [mgarron@wintellect.com](mailto:mgarron@wintellect.com)

# Take the code with you

The screenshot shows a GitHub repository page for 'Wintellect / WintellectWebinars'. The repository has 39 commits, 1 branch, 0 releases, 5 contributors, and is licensed under Apache-2.0. The latest commit was made on Feb 22, 2018. The repository contains code and slides from Wintellect's webinars, with links to [www.wintellect.com](https://www.wintellect.com) and [GitHub](https://github.com/Wintellect/WintellectWebinars).

Code and Slides from Wintellect's Webinars <https://www.wintellect.com>

39 commits 1 branch 0 releases 5 contributors Apache-2.0

Branch: master New pull request Create new file Upload files Find file Clone or download

JohnWintellect Merge pull request #14 from mikeckennedy/master ... Latest commit 3badf96 on Feb 22, 2018

2017-04-06 - Pythonic Code Through 5... Chained generators. 2 years ago

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2017-05-11 Survey of the Azure Data Pl... Ike Ellis 2017-05-11 2 years ago

2017-06-08 ASP.NET Core with Docker Typos fixed 2 years ago

2017-07-06\_Angular\_Redux added angular redux webinar files 2 years ago

2017-07-20\_Intro\_to\_Angular\_4 added intro to angular 4 webinar 2 years ago

2017-11-22\_Shortcuts\_and\_Tips\_for\_Using\_Py... 2 years ago

<https://github.com/Wintellect/WintellectWebinars>



10 features and tools to explore

# #1: HTML 5 Form Features



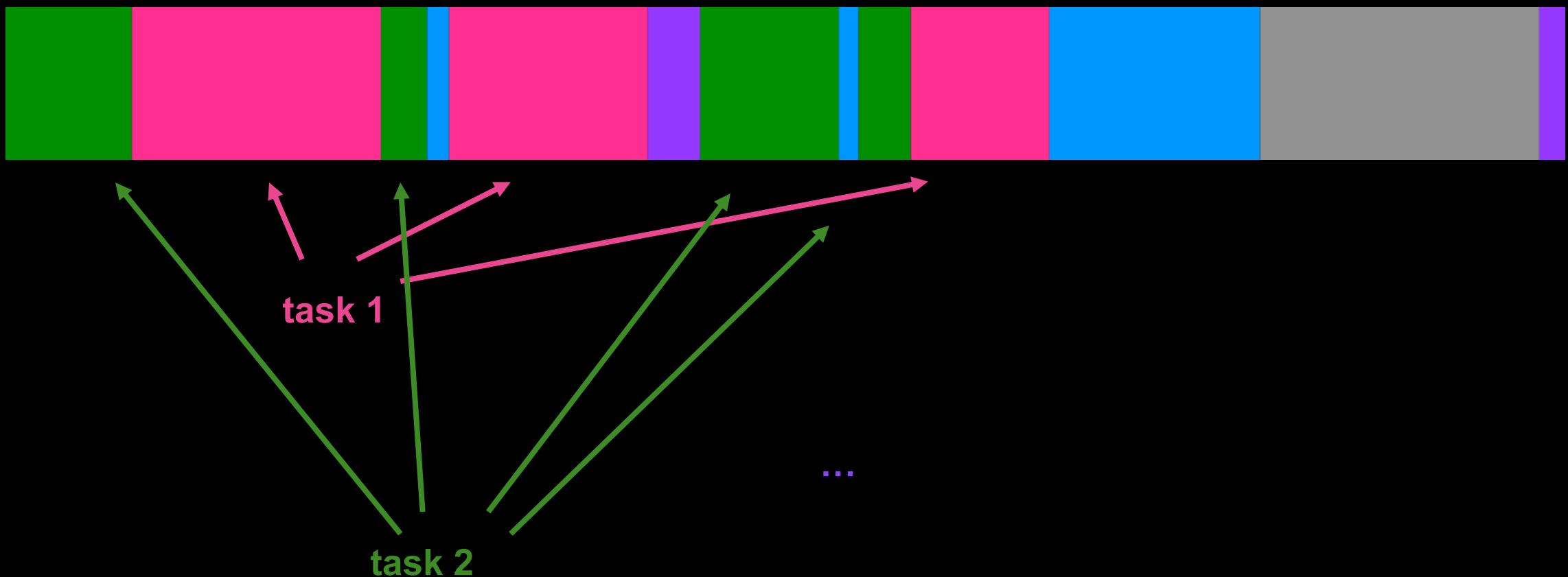


# #2: ngrok

[ngrok.com](https://ngrok.com)

# #3: async / await

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# #4: Quart



# #5: Database migrations

The screenshot shows a web browser window displaying the Bitbucket project page for 'alembic'. The URL in the address bar is <https://bitbucket.org/zzeek/alembic>. The page has a blue header with the Bitbucket logo and a navigation bar with links for Overview, Source, Commits, Branches, Pull requests, Pipelines, Issues, and Downloads. On the right side, there's a sidebar with a 'Recent activity' feed showing several pull requests and issues. The main content area contains an 'Overview' section with details like last update date (2018-05-18), website (<http://alembic.zzzcomputing.com/>), language (Python), and access level (Read). It also includes a brief description of Alembic as a database migrations tool and its goals.

**Recent activity**

- drop python 2.6 support and bump ve...  
Issue #491 commented on in zzeek/alembic  
hugovk · yesterday
- Drop support for EOL Python 2.6 and ...  
Pull request #79 updated in zzeek/alembic  
hugovk · yesterday
- Drop support for EOL Python 2.6 and ...  
Pull request #79 updated in zzeek/alembic  
hugovk · yesterday
- Drop support for EOL Python 2.6 and ...  
Pull request #79 created in zzeek/alembic  
hugovk · yesterday
- drop python 2.6 support and bump ve...  
Issue #491 watched in zzeek/alembic  
hugovk · yesterday
- autogenerate for sequences, as well a...  
Issue #60 commented on in zzeek/alembic  
Michael Bayer · 2018-06-01
- autogenerate for sequences, as well a...  
Issue #60 commented on in zzeek/alembic  
Anton Kazak · 2018-05-31
- Use IDENTITY INSERT for MS SQL Ser...  
Issue #105 commented on in zzeek/alembic

**Overview**

Last updated 2018-05-18

Website <http://alembic.zzzcomputing.com/>

Language Python

Access level Read

2 Open PRs

14 Branches

Alembic is a database migrations tool written by the author of [SQLAlchemy](#). A migrations tool offers the following functionality:

- Can emit ALTER statements to a database in order to change the structure of tables and other constructs
- Provides a system whereby "migration scripts" may be constructed; each script indicates a particular series of steps that can "upgrade" a target database to a new version, and optionally a series of steps that can "downgrade" similarly, doing the same steps in reverse.
- Allows the scripts to execute in some sequential manner.

The goals of Alembic are:

- Very open ended and transparent configuration and operation. A new Alembic environment is generated from a set of templates which is selected among a set of options when setup first occurs. The templates then deposit a series of scripts that define fully how

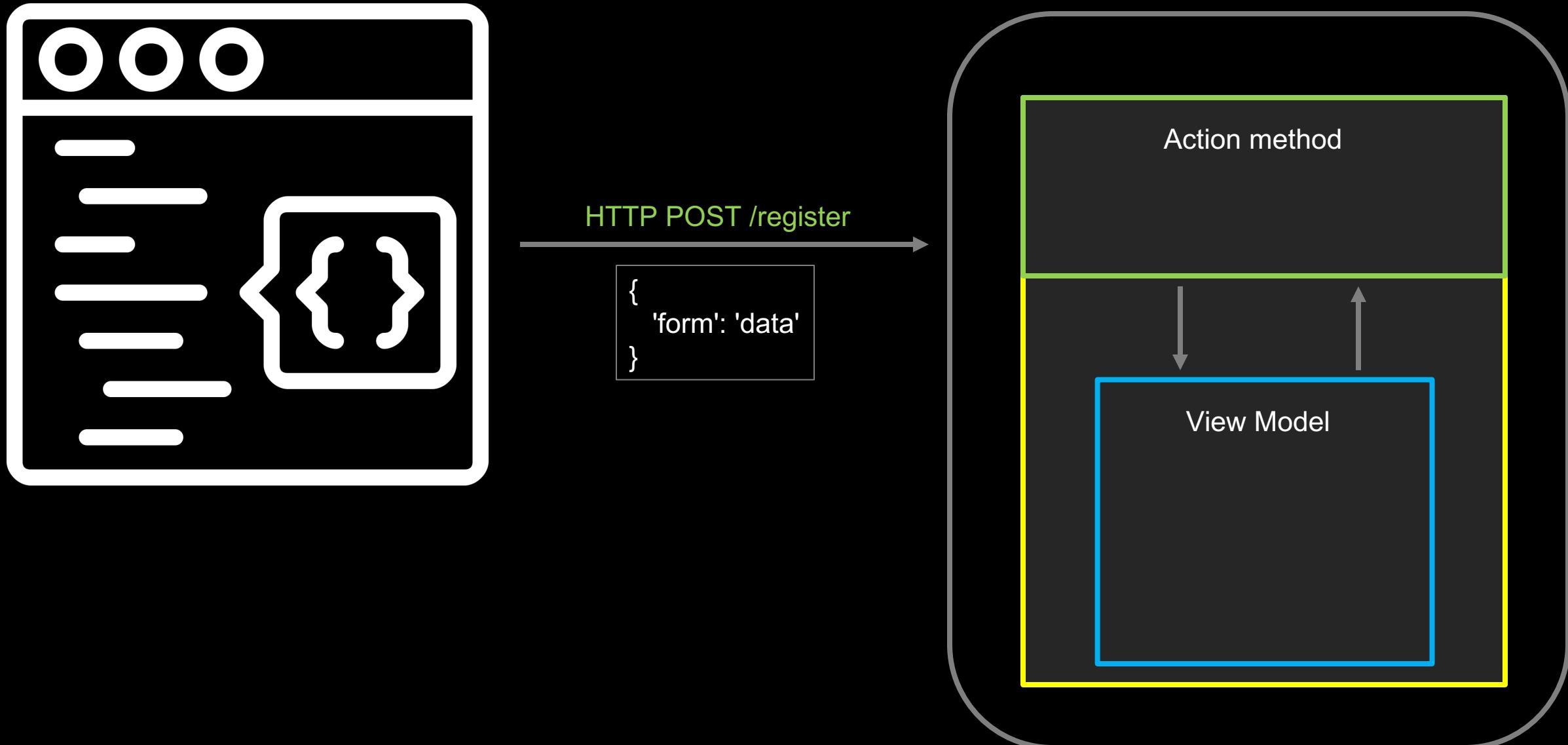
<https://bitbucket.org/zzeek/alembic>

# #6: Vue.js



[vuejs.org](http://vuejs.org)

# #7: View model pattern



# #8: Docker



[docker.com](https://docker.com)

# #9: Let's Encrypt



[letsencrypt.org](https://letsencrypt.org)

# #10: secure.py

## secure.py

pypi v0.2.1

python 3

license MIT

code style black

secure.py  is a lightweight package that adds optional security headers and cookie attributes for Python web frameworks.

### Supported Python web frameworks: ¶

[aiohttp](#), [Bottle](#), [CherryPy](#), [Django](#), [Falcon](#), [Flask](#), [hug](#), [Masonite](#), [Pyramid](#), [Quart](#), [Responder](#), [Sanic](#), [Starlette](#), [Tornado](#)

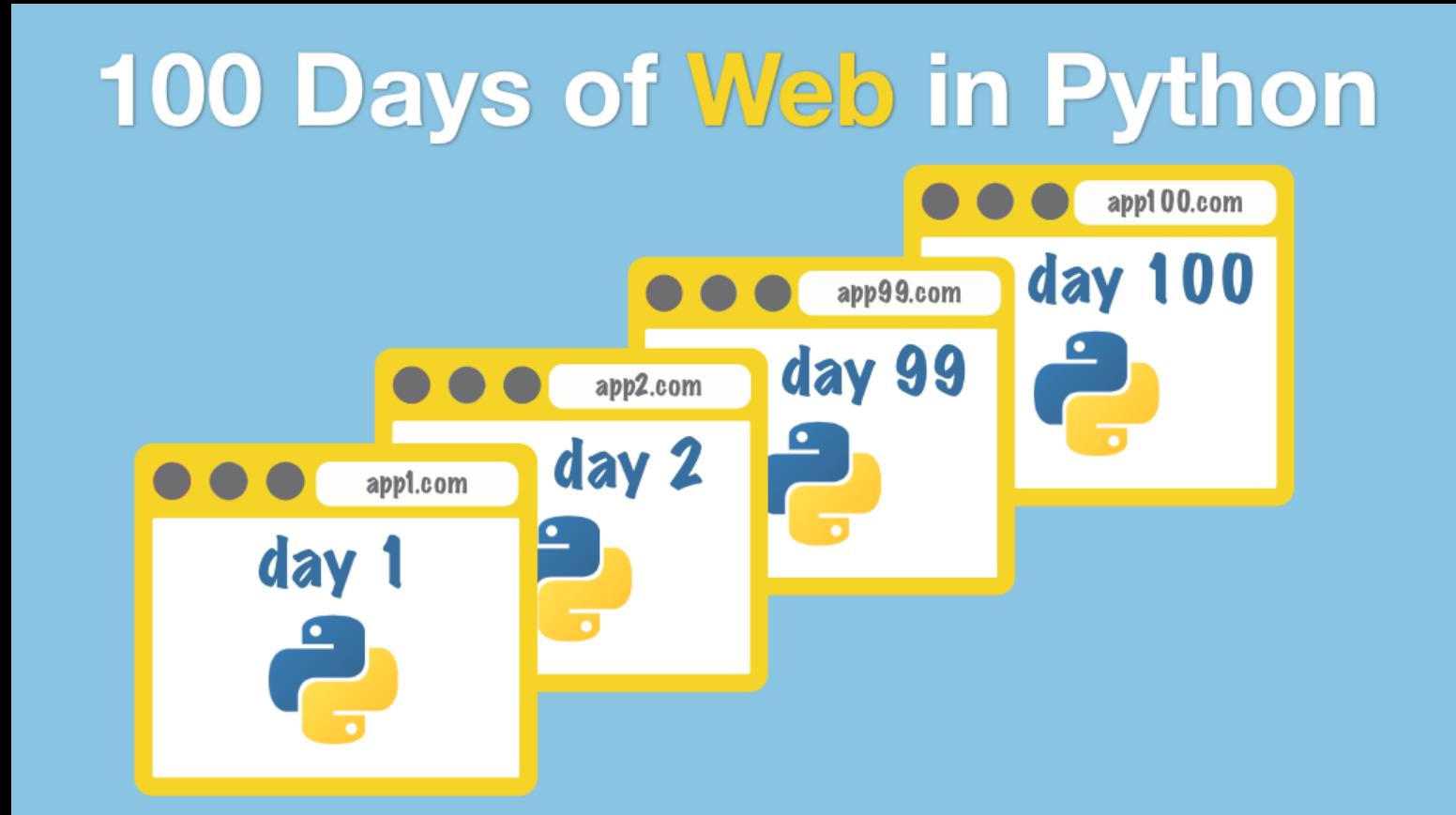
[github.com/TypeError/secure.py](https://github.com/TypeError/secure.py)

# THANK YOU



Michael Kennedy  
@mkennedy

Want to go deep? Check out my online course



[talkpython.fm/100web](https://talkpython.fm/100web)

In person training, contact Martha Garron at [mgarron@wintellect.com](mailto:mgarron@wintellect.com)