

# COMEÇANDO COM O MICROFRAMEWORK PYTHON P/ WEB MAIS POPULAR



Associado APyB

Membro da PyNorte

Analista de Sistemas  
Tribunal de Justiça  
Rondônia

# ABOUT



Felipe O. Colen

@felipecolen

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Flask



Python Brasil 12  
Florianópolis/SC  
outubro 2016

django  
girls



# QUAL É MELHOR?

LARAVEL x DJANGO x RUBYONRAILS x FLASK



# FLASK PRA QUÊ ?



Flask





# FLASK



Flask

**“Flask is a microframework for  
Python based on Werkzeug, Jinja 2  
and good intentions. And before you  
ask: It's BSD licensed!”**

<http://flask.pocoo.org/>



Flask

## Versões

Lançamento em  
1/4/2010

Atual e estável  
0.12.2 - 16/5/2017



Armin Ronacher

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# INSTALL



Flask

```
pip install Flask
```



# HELLO PESSOAS!



Flask

```
from flask import Flask  
app = Flask(__name__)
```

```
@app.route("/")  
def hy():  
    return "Hello PyCon AM!"
```

```
if __name__ == '__main__':  
    app.run()
```

localhost:5000

# COMEÇANDO A ORGANIZAR AS COISAS



Flask



meu\_projeto\_flask



static



templates



meu\_projeto\_flask.py

# COMEÇANDO A ORGANIZAR AS COISAS



Flask

```
from flask import Flask
from flask.templating import render_template
app = Flask(__name__)

@app.route("/")
def hy():
    return render_template('index.html')

if __name__ == '__main__':
    app.run()
```

# DEBUG



Flask

```
from flask import Flask
from flask.templating import render_template
app = Flask(__name__)

@app.route("/")
def hy():
    return render_template('index.html')

if __name__ == '__main__':
    app.run(debug=True)
```

# PASSAGEM DE PARÂMETROS



Flask

```
(...)  
@app.route("/")  
def hy():  
    hora = datetime.datetime.now()  
            .strftime('%H:%M:%S')  
    return render_template(  
        'index.html',  
        hora=hora  
    )  
(...)
```

# PASSAGEM DE PARÂMETROS VIA URL



Flask

```
(...)  
@app.route("/<alguma_coisa>")  
def teste_param(alguma_coisa):  
    return render_template(  
        'index.html',  
        var=alguma_coisa  
    )  
(...)
```



# REST API?



Flask

**Flask-Restless** provides simple generation of ReSTful APIs for database models defined using SQLAlchemy (or Flask-SQLAlchemy). The generated APIs send and receive messages in JSON format.

<https://flask-restless.readthedocs.io/en/stable/>

```
pip install Flask-Restless
```

# REST API?



Flask

```
class Pessoa(db.Model):  
    id = db.Column(db.Integer,  
primary_key=True)  
    nome = db.Column(db.String(60))  
    data_nascimento = db.Column(db.Date)  
    cpf = db.Column(db.String(11), unique=True)
```

```
db.create_all()
```

```
manager.create_api(  
    Pessoa,  
    methods=['GET', 'POST', 'PUT', 'DELETE']  
)
```

# PKGS PRONTOS



Flask

Flask-Admin, Flask-Cache, Flask-Celery,  
Flask-Login, Flask-Mail, Flask-Migrate  
Flask-OAuth, Flask-Security, Flask-Testing  
(...)

<http://flask.pocoo.org/extensions/>

# APRENDER



Flask

Bruno Rocha

<http://pythonclub.com.br/tag/what-the-flask.html>

Miguel Grimberg

<https://blog.miguelgrinberg.com/post/the-flask-mega-tutorial-now-with-python-3-support>

Documentação oficial

<http://flask.pocoo.org/docs/0.12/>

THANKS



Flask

Valeu!!

@felipecolen