

# Introduction to ~~Di~~jango

**Backend Development**

*The Web Framework for perfectionists  
with deadlines.*

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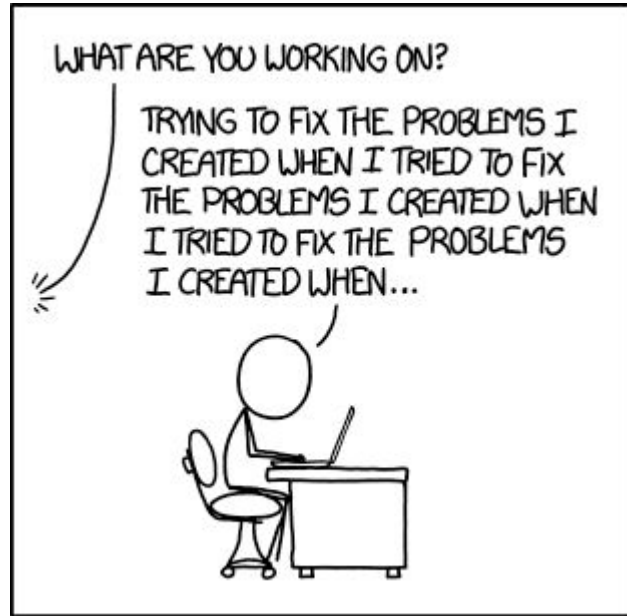
# What is Backend Development

***Backend Development is the part that you can't "see". It is the internal working of the application or website. This includes stuff like the server, the database, etc.***

# What does a Backend Developer Do?

1. Write server-side code.
2. Writing code to interact with a database.
3. Ensuring that the server-side code is secure and free of vulnerabilities.
4. Ensuring that the server-side code is optimised enough to handle large amounts of traffic.
5. Deploying the code so that other people can use your service.

# Mastering Concepts vs Mastering Tools



**THERE ARE  
NO  
PERFECT  
TOOLS**

# Back to the Basics.

1. Understand what a server is and different kinds of servers.
2. Learn about what a database is and different kinds of databases.
3. Fundamental knowledge of what HTTP is.
4. APIs.

# How to Choose a Web Framework?

1. Language you're comfortable with or the one you really want to learn.
2. Popular Framework (Large community)
3. Very Resourceful
4. Learning Curve

# Why Django?

1. Python is “General Purpose”.
2. Fully Loaded.
3. Secure.
4. Very resourceful and Popular.
5. Used by Instagram, Spotify, YouTube, DropBox, Mozilla, Disqus, etc.



# Prerequisite Knowledge

1. Python Basics and OOPS
2. Databases (SQL preferred)
3. Regular Expressions(RegEx)
4. Basic Frontend Tools (HTML, CSS and JS)

# Free Resources to Learn Django

- Corey Schafer Django YouTube Playlist (Highly Recommended)
- Django Girls Tutorial.
- Django Official Documentation.

# Django Project Ideas

## **NO MORE TO-DO LIST APPS.**

- Explore the world of Public APIs.
- CRUD Web Apps (Blogging Websites)
- Clones of popular websites.

# Is that it?

Not really.

- Learn about version control (Git, GitHub).
- Using service-as-a-service platforms (Heroku, AWS, etc)
- Learn about new web technologies - Web Assembly, DevOps for the Web, etc.

# What's Next?

1. Freelancing
2. Learn about scaling by making web apps for your college/club/etc.
3. Apply for Web Dev Internships on Angel, etc.
4. Explore the open-source world of Web Dev.

# Thank You.

- Django Boilerplate Code and Slides available at [github.com/itsron717/Talks](https://github.com/itsron717/Talks)
- Tutorial Links will also be available at the above URL.
- Hmu on twitter (@itsron143) or Github (itsron717) or LinkedIn (.com/in/itsron143) for any doubts/queries.