From Python and Django to Kotlin and Spring and back

Python Meetup @ Sofia

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Who am I?

I'm **Venelin Stoykov**. I'm an engineer at my heart and **Head of Engineering at INDUSTRIA Technology**. With many years of experience as full stack developer and DevOps, working with different backend and frontend technologies from classical WEB to enterprise blockchain systems. Designing pragmatic solutions for the clients from different industries. Loving Open Source and Linux.

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For what we will talk today

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- What Python give us as programming language and Django as a WEB framework.

- What Kotlin give us and statically typed languages in general which Python does not.

- Similarities and differences between both.

- Comparison between Spring and Spring Boot in particular with Django for WEB development.

- Why Python & Django remain an all-time favorite!

What Python give us as programming language and Django as a WEB framework.

What Python give us

- Zen of Python

- Easy scripting and prototyping

- Fast iteration

- Duck typing

What Django give us

- Django ORM

- Django Admin

- Great documentation

What Kotlin give us and statically typed languages in general which Python does not.

What Kotlin give us

- Types obviously 😀
- Immutability
- Runtime speed
- Nicer way to develop on top of JVM
- Kotlin native
- Access to enterprise ready libraries
- Gradle

Similarities and differences between both.

Differences

- Interpretation vs Compilation
- Static typing vs Dynamic Typing
- Immutability
- Null safety
- Extension methods vs Monkey Patching
- Metaprogramming

Similarities

- No need to explicitly define type on local variables
- Both have Data classes
- Multi paradigm
- Both have coroutine support
- Both are better than Java 😀

Comparison between Spring and Spring Boot in particular with Django for WEB development.

Why Python & Django remain an all-time favorite!

Why Python & Django remain an all-time favorite!

- Fast iteration

- Django Administration

- Django ORM and Django Migrations

- Readability

- Python and Django can be used for small hobby projects, for one of scripting to solve particular problem and at the same time can be used for real and complex projects.

- Dopamine

Any Questions?

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Thank you!