



**PLEASE STAND BY**

OK lets start,  
who am I ?



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(a.k.a. JOKe)

[illegible]



# Disclaimer ! ...

Since I don't like "some" technologies

1st) Instead of .NET I will probably say .NOT  
(cuz you should NOT use it)

2th) PHP - I think this is the Visual Basic of our time...  
you should write as less as possible otherwise your brain  
will be permanently damaged, also I may call it  
“ПѸПѸ” - for more info [dreal.net](http://dreal.net)

3th) Ruby is amazing for RAD ( you will see Java is as  
well) but I believe it is only for demo purpose. Don't write  
anything that will be used by more then 5 users. Or ones  
you hit 5 users write it in.. Java, Go, NodeJS(I mean io.js)  
... something...Java ! (twitter devs knows)

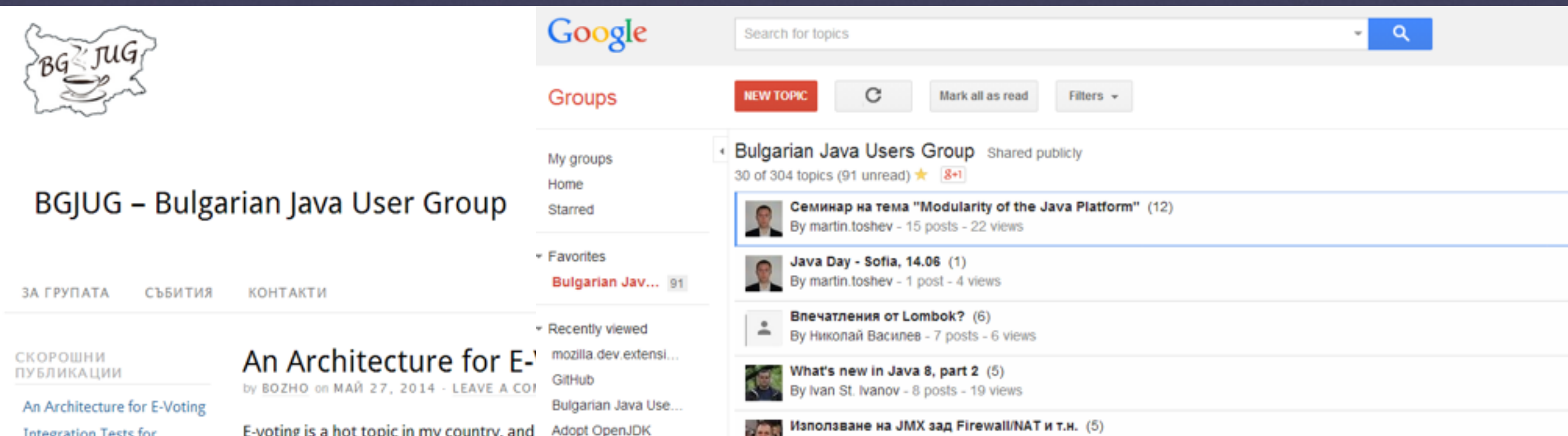
# Изграждане на REST API с Java и Spring



# But before that...

## The Bulgarian Java User Group

- <http://java-bg.org>
- <http://groups.google.com/group/bg-jug>



The image shows a composite of two web pages. On the left is the BGJUG website, featuring a logo with a coffee cup and the text 'BGJUG', the title 'BGJUG – Bulgarian Java User Group', and navigation links for 'ЗА ГРУПАТА', 'СЪБИТИЯ', and 'КОНТАКТИ'. Below these are 'СКОРОШНИ ПУБЛИКАЦИИ' including 'An Architecture for E-Voting' and 'Integration Tests for...'. On the right is a Google Groups page for the 'Bulgarian Java Users Group', showing a search bar, group statistics (30 of 304 topics, 91 unread), and a list of recent topics such as 'Семинар на тема "Modularity of the Java Platform"', 'Java Day - Sofia, 14.06', and 'Впечатления от Lombok?'.

**BGJUG – Bulgarian Java User Group**

ЗА ГРУПАТА    СЪБИТИЯ    КОНТАКТИ

СКОРОШНИ ПУБЛИКАЦИИ

- An Architecture for E-Voting
- Integration Tests for...

**An Architecture for E-Voting**  
by BOZHO on МАЙ 27, 2014 - LEAVE A COMMENT

E-voting is a hot topic in my country, and...

**Bulgarian Java Users Group** Shared publicly  
30 of 304 topics (91 unread) ★ 8+1

- Семинар на тема "Modularity of the Java Platform" (12)  
By martin.toshev - 15 posts - 22 views
- Java Day - Sofia, 14.06 (1)  
By martin.toshev - 1 post - 4 views
- Впечатления от Lombok? (6)  
By Николай Василев - 7 posts - 6 views
- What's new in Java 8, part 2 (5)  
By Ivan St. Ivanov - 8 posts - 19 views
- Използване на JMX зад Firewall/NAT и т.н. (5)

# Agenda

- What is Spring ?
- What is Spring Boot?
- What is Hibernate
- What is JPA
- What is Spring Data?
- What is Spring Data Rest?
  - You know what ReST is right ?
- Coding... coding... coding...
- Bla bla thank you... Beer ?





# Spring aka Spring Framework

- <http://spring.io>
- De facto standard used in 3 of 4 Java Web & Enterprise Applications
- The Spring Framework is an open source application framework and inversion of control container for the Java platform. (there is Spring.NET all .NOTers out there... but is it dead??!?!?!?)



# Spring Boot

- Spring Boot makes it easy to create stand-alone, production-grade Spring based Applications that you can "just run".
- Most Spring Boot applications need very little configuration.

# Demo

# Spring Data

- Makes it easy to use new data access technologies, such as non-relational databases, map-reduce frameworks, and cloud based data services. Spring Data also provides improved support for relational database technologies.
- This is an umbrella project which contains many subprojects that are specific to a given database.
- <http://projects.spring.io/spring-data/>



# Hibernate ORM aka Hibernate

- Hibernate ORM enables developers to more easily write applications whose data outlives the application process. As an Object/Relational Mapping (ORM) framework, Hibernate is concerned with data persistence as it applies to relational databases (via JDBC).
- In addition to its own "native" API, Hibernate is also an implementation of the Java Persistence API (JPA) specification.

# Spring Data JPA

- Implementing a data access layer of an application has been cumbersome for quite a while. Too much boilerplate code
- Spring Data JPA aims to significantly improve the implementation of data access layers by reducing the effort to the amount that's actually needed.

# REST ? anyone ?

- REST stands for Representational State Transfer. (It is sometimes spelled “ReST”.)
- REST is an architecture style for designing networked applications. The idea is that, rather than using complex mechanisms such as CORBA, RPC, RMI or SOAP to connect between machines, simple HTTP is used to make calls between machines.



# Spring Data Rest

- makes it easy to expose JPA based repositories as RESTful endpoints.



# Lets DO code





*That's all Folks!*





# Contacts

Blog : <http://gochev.org>

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