2015 CEE-SEC(R)
Software Engineering
Conference in Russia

Why Security Testing Is More Important Than Ever

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equafy

About me

Managed Experian Global QA for UK, Monaco, Malaysia and Bulgaria

Managed the teams developing some of the world's largest online stores

Founder of Equafy - Cross Browser Testing SaaS

Indeed 471,000 of them…

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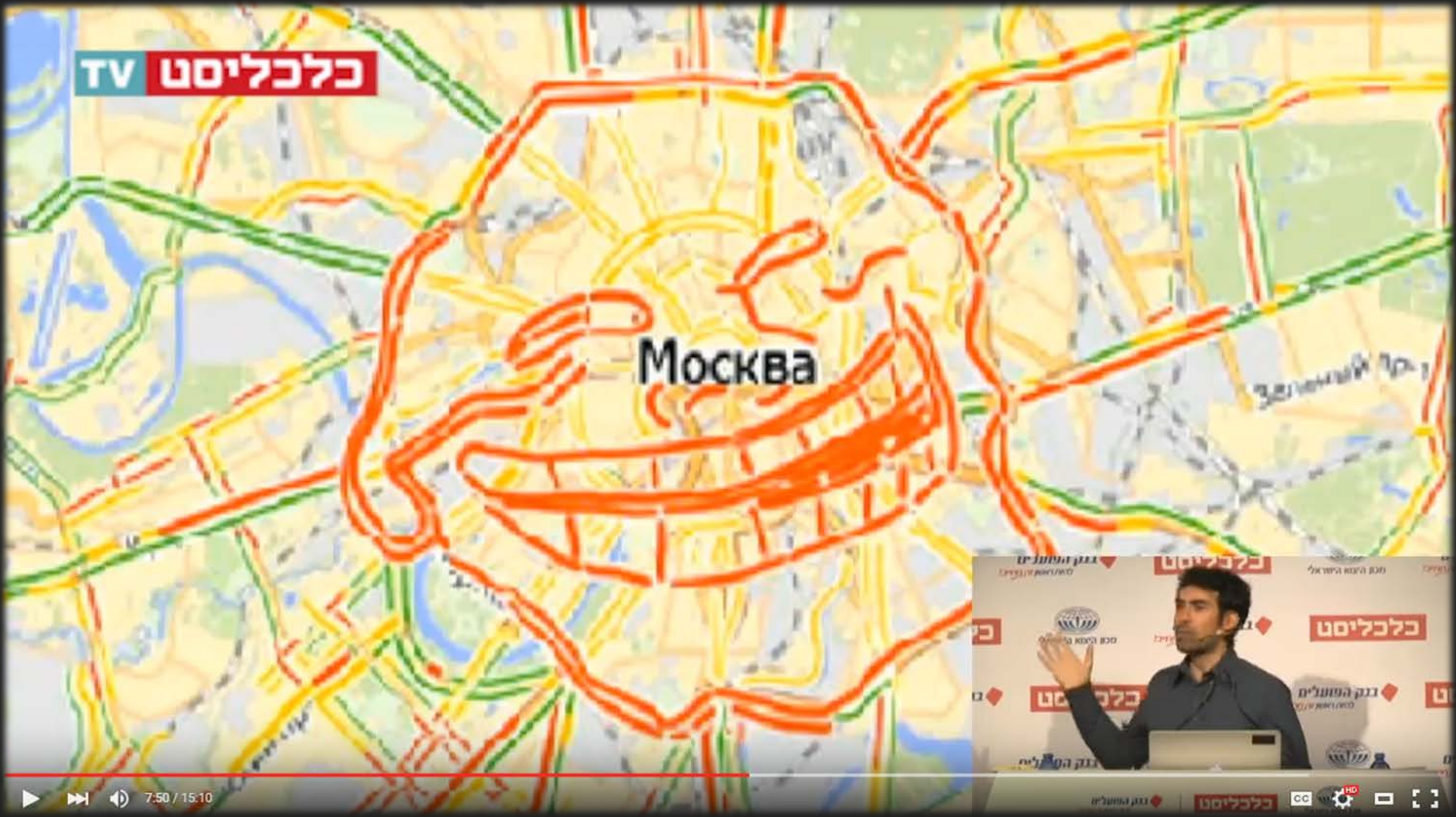
Ooops…the wrong person?

Google Maps getting data…



Old school

New generation

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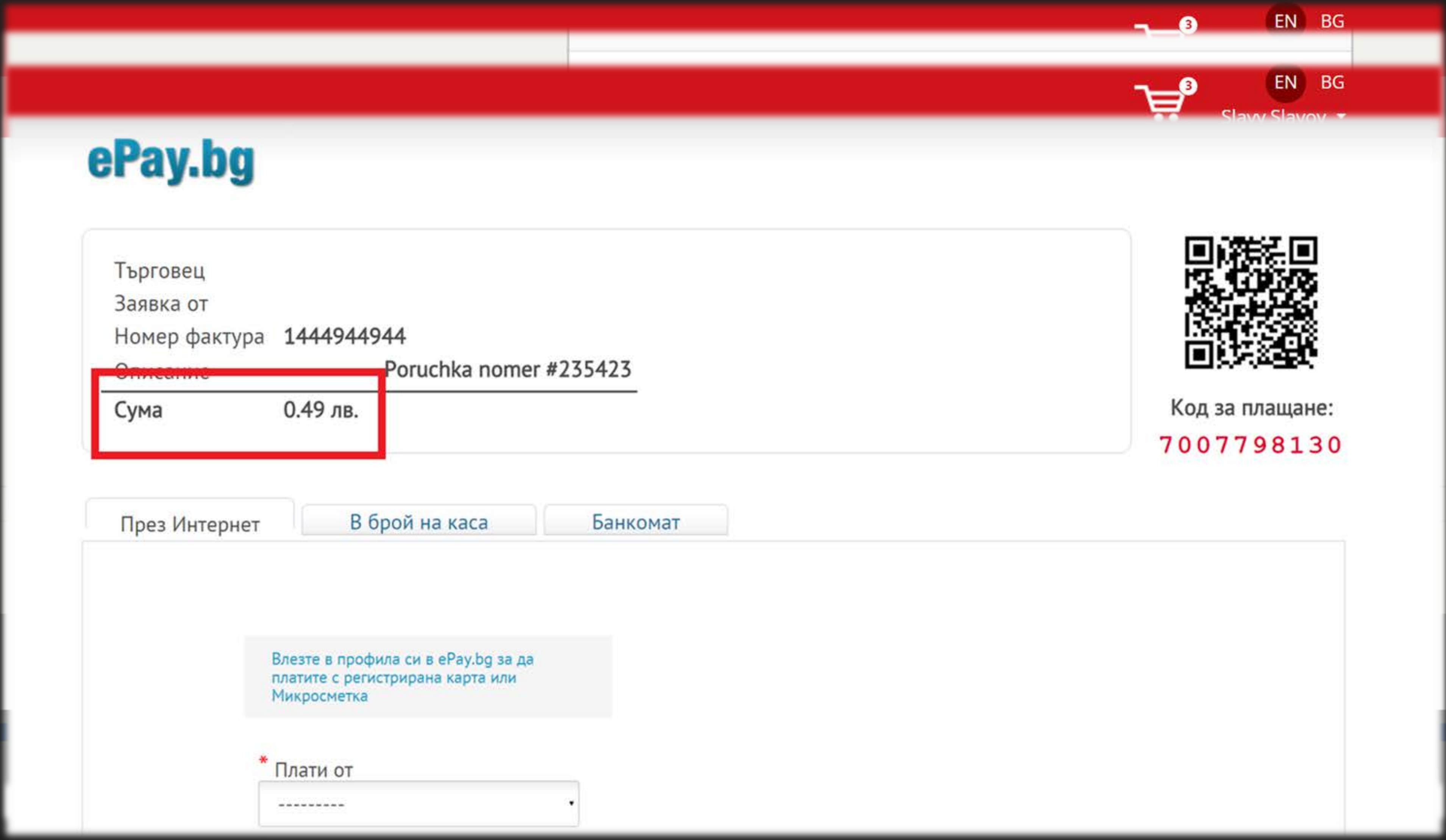
What’s next?

Donate to Unicef



ePay.bg

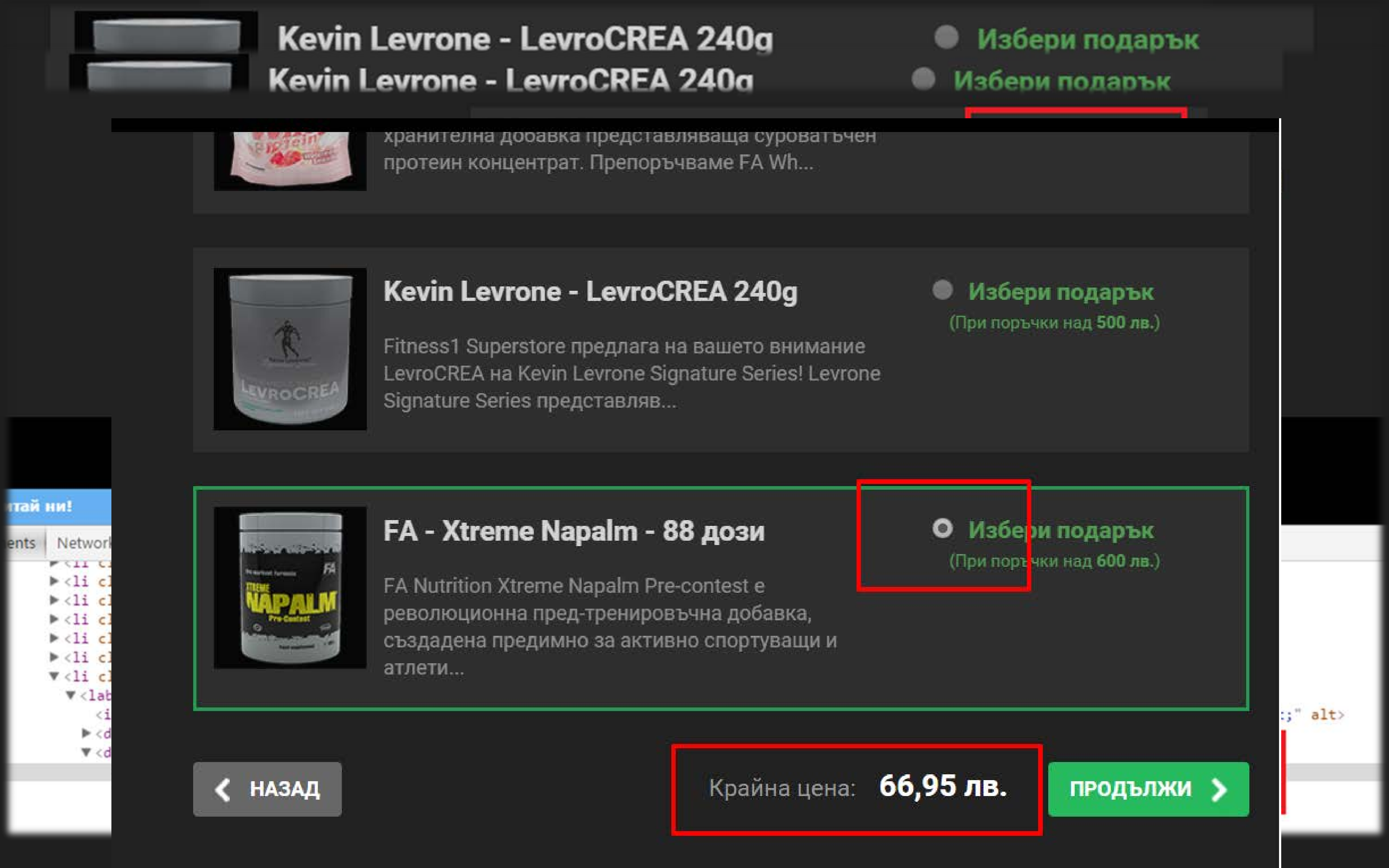
Търговец
Заявка от
Номер фактура 1444944944
Описание Poruchka nomer #235423
Сума 0.49 лв.

Код за плащане:
7007798130

Влезте в профила си в ePay.bg за да платите с регистрирана карта или Микросметка

* Плати от

Nice present!



Kevin Levrone - LevroCREA 240g ○ Избери подарък

Kevin Levrone - LevroCREA 240g ○ Избери подарък

хранителна добавка представляваща суроватъчен протеин концентрат. Препоръчваме FA Wh...

Kevin Levrone - LevroCREA 240g ○ Избери подарък (При поръчки над 500 лв.)

Fitness1 Superstore предлага на вашето внимание LevroCREA на Kevin Levrone Signature Series! Levrone Signature Series представляв...

FA - Xtreme Napalm - 88 дози ◉ Избери подарък (При поръчки над 600 лв.)

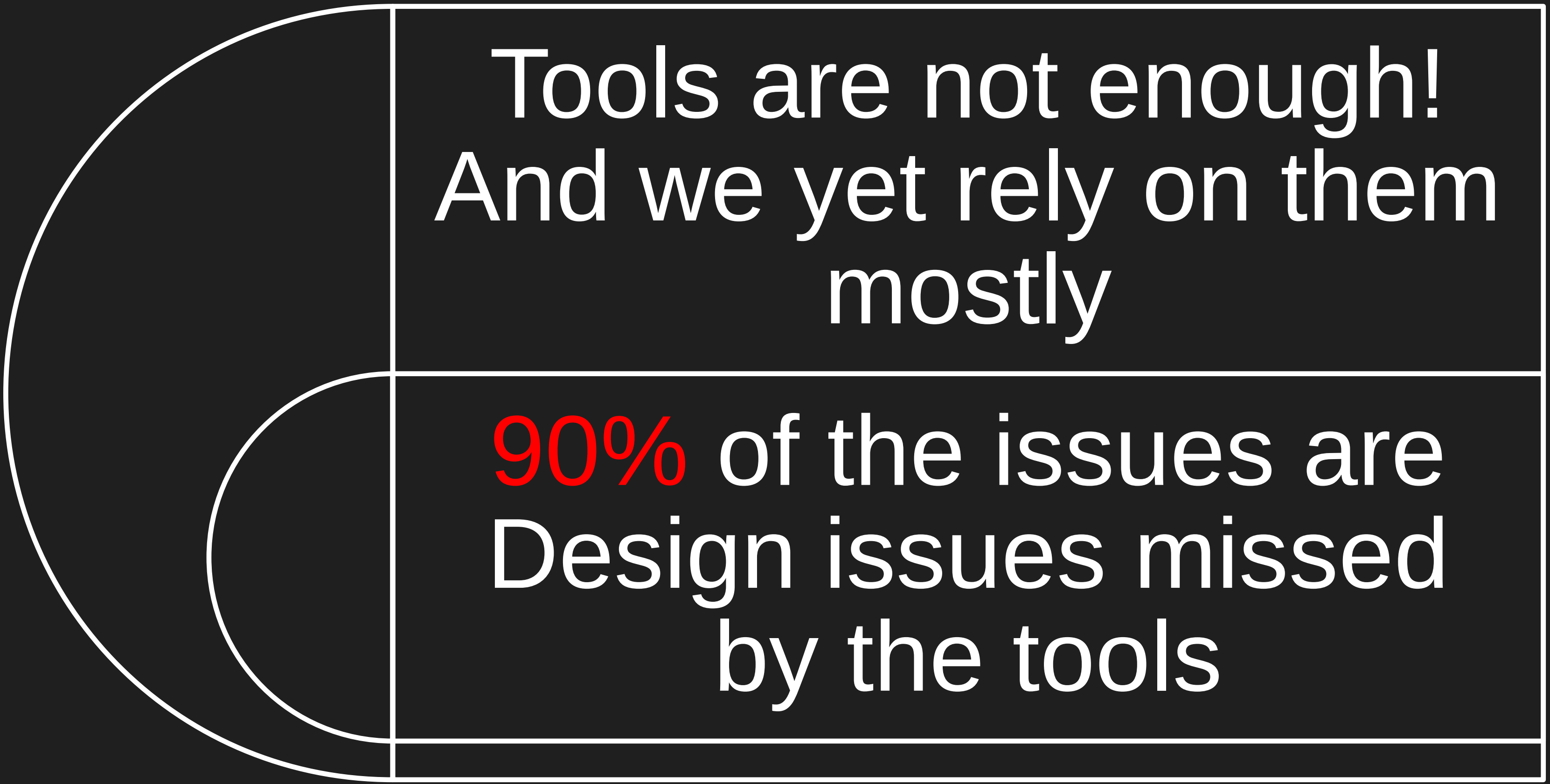
FA Nutrition Xtreme Napalm Pre-contest е революционна пред-тренировъчна добавка, създадена предимно за активно спортуващи и атлети...

< НАЗАД

Крайна цена: 66,95 лв.

ПРОДЪЛЖИ >

80% of shops are very weak



Tools are not enough!
And we yet rely on them mostly

90% of the issues are Design issues missed by the tools

Most common issues

- ✗ No server side checks
- ✗ Too much POST data
- ✗ Caching sensitive info
- ✗ Ability to guess repetitive data (fuzzy matching)
- ✗ Predictable IDs and weak access control
- ✗ Neglected XSS (steal personal data)
- ✗ Inject code
- ✗ Stupidity

Best process practices

- ✓ Rely on common platforms (they resolved 95% of the issues already)
- ✓ Combine architecture review with tools
- ✓ Monitor & Analyze data flow and traffic
- ✓ Implement CI Security tests
- ✓ Runtime tools/plugins
- ✓ Act wild – I learned a lot from my 2 years old son
- ✓ Know your stuff…architecture is key

Best technical practices

- ✓ Isolate environments and layers
- ✓ Use cookies securely
- ✓ Do not store plain text sensitive data
- ✓ Have detailed audit log
- ✓ Validate empty, large or fake data input
- ✓ Do not cache user data (embedded)
- ✓ Use complex object IDs
- ✓ Cross fingers to not be a target ☺

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Thank You!

Q & A

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