Droga do lepszego oprogramowania
porady kuchenne

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Tasty Software

One domain
Easy to use
Appealing
Usable
Comfortable
Solid architecture
Flexible
### Amarok 2.8 "Return To The Origin" released

Submitted by The Amarok Team on August 16, 2013 - 20:12

It's the wonderful month of August and the Amarok Team is back with a very strong release. Amarok 2.8 is titled "Return To The Origin" as we are bringing back the polish that many users loved from the original 1.x series! The new Amarok is more fun to use, it's rock solid, and it has...
Stuff.

Django
Pyramid
Tornado
Flask
Ta Stypie
Redis
RabbitMQ
Celery
RQ
SQLAlchemy
RestKit
AngularJS
JQuery Mobile
Bootstrap 2
Bootstrap 3
OpenStack libs
Factory Boy

XP
Scrum
Kanban
Programming
MF
Waterfall
Lean
Lean Software Development

• 1 Eliminate waste
• 2 Amplify learning
• 3 Decide as late as possible
• 4 Deliver as fast as possible
• 5 Empower the team
• 6 Build integrity in
• 7 See the whole
Warm up

- Technology
- Dependencies
- Quality, performance
- Lean, workflow
I’m doing a (free) operating system (just a hobby, won’t be big and professional like gnu) for 386(486) AT clones. This has been brewing since april, and is starting to get ready. I’d like any feedback on things people like/dislike in minix, as my OS resembles it somewhat (same physical layout of the file-system (due to practical reasons) among other things).
<table>
<thead>
<tr>
<th>Design by committee</th>
<th>One person vision of core functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collective ownership</td>
<td>Strong code ownership</td>
</tr>
<tr>
<td>Beautiful process</td>
<td>Beautiful code</td>
</tr>
<tr>
<td>Product on time</td>
<td>Unit tests from the beginning!</td>
</tr>
<tr>
<td>End User Documentation</td>
<td>Simplicity</td>
</tr>
</tbody>
</table>
Don’t write code first
one core developer
one frontend developer
design first
„just do it“
Limit dependencies

ajax select
data table
quicksearch

DIY
## Limit dependencies

<table>
<thead>
<tr>
<th>Task</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waiting pull request review</td>
</tr>
<tr>
<td>Politics</td>
</tr>
<tr>
<td>Wait for release</td>
</tr>
<tr>
<td>Merge</td>
</tr>
</tbody>
</table>

![Gantt chart](chart.png)
Limit dependencies

Provide option to render

#57 opened on Nov 16, 2013 by
Abstractions tax
Abstractions tax

From:

To:
Abstractions tax
Abstractions tax

Yet Another Messaging Framework

ObjectiveC
Abstractions tax

Remember that the architecture people are solving problems that they think they can solve, not problems which are useful to solve.

joel spolsky
Abstractions tax

Celery vs RQ

Easy to understand
Easy to debug
Easy to customize
Performant
Not so many features
127.0.0.1:6379> KEYS *
1) "rq:queue:failed"
2) "rq:queues"
3) "rq:job:a204d3a8-f3b9-4a59-9d4e-9fdc9688ddf6"
4) "rq:workers"
5) "rq:worker:polpc00107.98298"

127.0.0.1:6379> HGETALL rq:job:a204d3a8-f3b9-4a59-9d4e-9fdc9688ddf6
1) "timeout"
2) "180"
3) "data"
4) "(Va.count_words_at_url(np1\nN(S'http://nvie.com'\np2\ntp3\n(dp4\n\n\n5) "enqueued_at"
6) "2014-11-16T20:57:08Z"
7) "created_at"
8) "2014-11-16T20:57:08Z"
9) "description"
10) "a.count_words_at_url('http://nvie.com')"
11) "status"
Product Scope

- Sewer DHCP
- Sewer DNS
- Deployment
- Scanning/Discovery
- Reports
- Pricing
- Deployment
- Stakeholders
Product Scope

Scanning/Discovery
Sewer DHCP
Sewer DNS
Deployment

Pricing
Reports

Środki trwałe
Księgowość
Licencje

3 miesiące
allegro / ralph
allegro / ralph_assets
allegro / ralph_pricing

django-pluggable-app
entry_points
synchronized batch releases

300 tys LOC
Product Scope

Product Owner vs Tech leaders
Fail fast

- Fail fast
- Recover fast
- Learn fast
Developers enemy

- source code is the single enemy
Optimize first
Microoptimize last
Wait...

- „Premature optimization is the root of all evil.”

- In DonaldKnuth's paper „StructuredProgrammingWithGoToStatements" December 1974
Discovery

- def plugin():
  # full access to the DB
Discovery 2.0

- def plugin():
  return JSON

- def compressor(json):
  for plugin in plugins:
    # integrate the data
    # check the data
    # „google logic”
    # save_the_data
LOC / Comments

10 x Speedup

Thousands of writes daily less
From scratch

- nginx vs apache
- ART (vs Dalvik)
- clang/llvm vs gcc
- v8, spidermonkey, FTL - javascript vs JS interpreter
- go vs gcc
Django forms, sort of

- django-bob
- Ajax select
- Ajax table
- Ajax record / group
- AngularJS
Release
Releases

- Blue / Green deployments
- virtualenvs based
- dockerized
Open source w GA
Przepis(PL)

Zacznij od 1 developera i wizji
Narysuj ją na kartce
Pisz kod razem z testami od 1 commita
Wyznacz granicę produktu
Limituj niepotrzebne zależności
Unikaj nadmiernych abstrakcji
Fail fast
Migruj na angularjs
Pisz wydajny kod od początku
Design of Everyday Things
Designing in mind in mind
Structured Programming With GoTo Statements"
December 1974  D. Knuth

Martin Fowler
http://martinfowler.com

Joel Spolsky
joelonsoftware.com
Questions?

– Marcin Kliks
http://www.marcinkliks.pl