



Automate boring tasks, save time & learn something new!

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WHAT IS THIS TALK ABOUT?

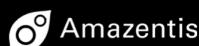
ABOUT EMAKINA

We are user ambassadors
& advocates

- Full-service digital native agency putting the end-user first, always.
- Digital transformation specialists
- +800 experts in 23 offices worldwide.
- Services: business strategy & advisory, engaging digital communications, omnichannel business engines and user intelligence.
- Turning user insights into highly effective strategies and delightful digital experiences.



ABOUT EMAKINA'S CLIENTS



الطابير al tayer



CHALHOUB GROUP

COURIR



G R A F F



HONDA



KitchenAid®



OMRON

PAULA'S CHOICE
SKINCARE

PEUGEOT



QATAR

REWE..
GROUP

RICHEMONT

R I T
U A L
S ...

Roompot.

sodexo*

SUITSUPPLY



tietoEvery

TRAFIGURA



And many more...

TIMESHEETING

FUSION

Actions	View	+   	  Detach		
Entry Date	Hours	Project Name	Task	PO Reference	Comments
01 Tue	8 : 0				
02 Wed	8 : 0				
03 Thu	8 : 0				
04 Fri	8 : 0				
05 Sat	0 : 0				
06 Sun	0 : 0				
07 Mon	8 : 0				
08 Tue	8 : 0				
09 Wed	8 : 0				
10 Thu	8 : 0				

JQUERY - LOAD & INIT

```
1 //load in jquery
2 var jq = document.createElement('script');
3 jq.src = "https://ajax.googleapis.com/ajax/libs/jquery/2.1.4/jquery.min.js";
4 document.getElementsByTagName('head')[0].appendChild(jq);
5 jQuery.noConflict();
6 //create array with dates of current month
7 var now = new Date();
8 daysInMonth=new Date(now.getFullYear(), now.getMonth()+1, 0).getDate();
9 //create array of all days in current month
10 var daysOfMonth = [];
11 for (var day = 1; day <= daysInMonth; day++) {
12     var date = new Date(now.getFullYear(),now.getMonth(),day);
13     daysOfMonth.push(date);
14 }
```

JQUERY - FILL OUT

```
1 for(var i=0;i<daysOfMonth.length;i++){
2   var date = daysOfMonth[i];
3   //not working in the weekend :)
4   if(date.getDay()!=0 && date.getDay()!=6 ){
5     jQuery(jQuery('[name$="it1"]')[i]).val(8);//hours
6     jQuery(jQuery('[name*="projectFullNameId"]')[i]).val('OIKOI');
7     jQuery(jQuery('[name*="taskNameId"]')[i]).val('Development');
8     jQuery(jQuery('[name*="fullReferenceId"]')[i]).val(poValue);
9   }
10 }
```

JQL + POWERSHELL

1. Fetch the stories + time spent

```
/rest/api/2/search?jql=worklogAuthor=pdrouill  
AND worklogDate>=startOfMonth()&fields=id,key
```

2. enrich data
3. dump in JSON

PYTHON + SELENIUM

1. read JSON
2. Simulate manual entry

WHAT I'VE LEARNED & SAVED

Refreshed jQuery

Brushed up on Python

Learned Jira QL & Selenium

Lot's of time & frustration

TEMPLATING

ENVIRONMENT VARIABLES

```
1 http 'Authentication: Bearer 123456789...XYZ' http://www.example.com  
2  
3 export TOKEN=123456789...XYZ  
4 http "Authentication: Bearer $TOKEN" http://www.example.com
```

SCRIPTING - POWERSHELL

```
1 $sql_template = @"
2 insert into `user`
3 (email, password, is_active, created_at, updated_at)
4 values('{0}@emakina.com', sha1('pass'), 1, now(), now() );
5
6 insert into userCredential
7 (user_id, credential, value, created_at, updated_at)
8 values (LAST_INSERT_ID(),'{0}',1,now(),now());
9 "@
10
11 @('admin','press','super-admin','mice','spot')
12 | %{$sql_template -f $_}
```

POWERSHELL OUTPUT

```
insert into `user`  
(email, password, is_active, created_at, updated_at)  
values('admin@emakina.com', sha1('pass')), 1, now(), now() );  
  
insert into userCredential  
(user_id, credential, value, created_at, updated_at)  
values (LAST_INSERT_ID(), 'admin', 1, now(), now());  
  
-- all other statements  
  
insert into `user`  
(email, password, is_active, created_at, updated_at)  
values('spot@emakina.com', sha1('pass')), 1, now(), now() );  
  
insert into userCredential
```

SQL OUTPUT

*<localhost> Script-4

```
▶ ↵ SELECT distinct uc.credential as c,
CONCAT("insert into `user` ( email, password,is_active, created_at, updated_at)
as command
from user_credential uc
UNION
SELECT distinct uc.credential as c,
CONCAT("insert into user_credential (user_id, credential,value, created_at, upd
as command
from user_credential uc
order by c;
```

Results 1

SELECT distinct uc.credential as c, CONCAT("insert | ↵ Enter a SQL expression to filter results (use Ctrl+Space)

Grid	c	command
1	admin	insert into `user` (email, password,is_active, created_at, updated_at) values('admin@emakina.com', sha1('pass'),1, now(), now()); insert into user_credential (user_id, credential,value, created_at, updated_at)values (LAST_INSERT_ID(), 'admin', 1, now(), now());
2	adt	insert into `user` (email, password,is_active, created_at, updated_at) values('adt@emakina.com', sha1('pass'),1, now(), now()); insert into user_credential (user_id, credential,value, created_at, updated_at)values (LAST_INSERT_ID(), 'adt', 1, now(), now());
3	editor	insert into `user` (email, password,is_active, created_at, updated_at) values('editor@emakina.com', sha1('pass'),1, now(), now()); insert into user_credential (user_id, credential,value, created_at, updated_at)values (LAST_INSERT_ID(), 'editor', 1, now(), now());
4	limit-brussels	insert into `user` (email, password,is_active, created_at, updated_at) values('limit-brussels@emakina.com', sha1('pass'),1, now(), now());

AEM - COMPONENT

```
byline
|-- byline.html
|-- .content.xml
`-- _cq_dialog
    '-- .content.xml
```

COMPONENT XML

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <jcr:root
3   xmlns:sling="http://sling.apache.org/jcr/sling/1.0"
4   xmlns:jcr="http://www.jcp.org/jcr/1.0"
5   jcr:primaryType="cq:Component"
6   jcr:title="Byline"
7   jcr:description="Displays a contributor's byline."
8   componentGroup="WKND.Content"
9   sling:resourceSuperType="core/wcm/components/image/v2/image" />
```

DIALOG XML

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <jcr:root xmlns:sling="http://sling.apache.org/jcr/sling/1.0">
3   <content>
4     <items>
5       <tabs>
6         <items>
7           <properties jcr:title="Properties">
8             <items>
9               <columns>
10                 <items>
11                   <column>
12                     <items>
13                       <!-- we made it!! -->
14                       <name fieldLabel="Name"
15                         sling:resourceType="granite/ui/components/coral/
```

YEOMAN



YEOMAN

Using Yeoman

Discovering generators

Creating a generator

Blog

Contributing

THE WEB'S
SCAFFOLDING
TOOL FOR
MODERN
WEBAPPS



YEOMAN COMPONENT GENERATION

```
pjd@MacBook-Pro-3:~/tmp
→ tmp yo aem:component
? The name of the component byline /Users/pjd/tmp
? The group the component belongs to wknd.components
  create byline/_cq_dialog/.content.xml
  create byline/byline.html
  create byline/.content.xml
→ tmp
```

WHAT I'VE LEARNED & SAVED

Brushed up on Bash & Powershell

Some exotic MySQL functions

First experience with node.js

Lot's of time & frustration

GIT

POSTING UPDATES

1. fetch version endpoint

```
{  
  "buildNumber": "1.24-SNAPSHOT-r4941",  
  "gitHash": "af127f5"  
}
```

2. git history

```
git log "<githash>..HEAD" --format=format: "%s"
```

3. filter for story ids

4. fetch story description from JIRA

5. pbcopy

EXAMPLE MESSAGE



Pieter-Jan Drouillon 29/06 13:28

Starting deploy to int. Deploy includes:

- * QNTC-4730 - Saudi campaign - Itinerary popup
- * QNTC-4754 - PSG Campaign > Contest form component - front-end
- * QNTC-4894 - There should be * next to the firstname and surname mandatory fields
- * QNTC-4897 - Saudi pop up is dissapeared after form validations
- * QNTC-4902 - Form info should be "campaignpopin" on ACS

WHAT I'VE LEARNED & SAVED

Brushed up on Git command & Powershell

pbcopy

Lot's of time & frustration

WEBSITE DEPLOY

GITHUB PAGES

special repo: <username>.github.io

HTML & CSS

HUGO

Static site generator

Content written in markdown

Generates all HTML & CSS

DEPLOY SCRIPT

1. Commit & push changes to hugo repository
2. Run hugo
3. Commit & push changes to <username>.github.io

GITHUB ACTIONS

```
1 name: Build and Deploy
2 on:
3   push:
4     branches: [master]
5
6 jobs:
7   build:
8     runs-on: ubuntu-latest
9     steps:
10    - uses: actions/checkout@v2
11    - name: setup hugo
12      uses: peaceiris/actions-hugo@v2
13      with:
14        hugo-version: '0.75.1'
15    - name: build hugo website
```

RUNS

Workflows [New workflow](#)

All workflows

Build and Deploy

build-and-deploy.yml

Filter workflow runs

42 workflow runs

		Event	Status	Branch	Actor
✓ Update reduce-docker-ps-clutter-with-awk.md	Build and Deploy #42: Commit d4f3e31 pushed by pieterjd	master	last month	27s	...
✓ Create reduce-docker-ps-clutter-with-awk.md	Build and Deploy #41: Commit f3e57e0 pushed by pieterjd	master	last month	31s	...
✓ escape colon in description.	Build and Deploy #40: Commit b08e301 pushed by pieterjd	master	last month	23s	...
✗ fixed weird character.	Build and Deploy #39: Commit aa36dca pushed by pieterjd	master	last month	1m 23s	...
✗ fix date.	Build and Deploy #38: Commit d907c50 pushed by pieterjd	master	last month	21s	...
✗ add devoxx.pl 2021 talk	Build and Deploy #37: Commit 3baac97 pushed by pieterjd	master	last month	20s	...
✓ Rename deploy-summary.md to summarize-latest-c...	Build and Deploy #36: Commit 6652fd4 pushed by pieterjd	master	2 months ago	27s	...

WEBSITE COMMITS

-o Commits on Jul 8, 2021

Update reduce-docker-ps-clutter-with-awk.md ...

github-actions committed on 8 Jul ✓

f47bfd8

Create reduce-docker-ps-clutter-with-awk.md 🚀

github-actions committed on 8 Jul ✓

4447dba

-o Commits on Jul 3, 2021

escape colon in description. 🚀

github-actions committed on 3 Jul ✓

b20a8cf

-o Commits on Jun 28, 2021

Rename deploy-summary.md to summarize-latest-changes-in-your-codebase... ...

github-actions committed on 28 Jun ✓

5fb8066

Update deploy-summary.md ...

github-actions committed on 28 Jun ✓

7d68822

Rename deploy-summary to deploy-summary.md 🚀

github-actions committed on 28 Jun ✓

9875c58

Add deploy summary blogpost 🚀

github-actions committed on 28 Jun ✓

4e77c03

-o Commits on Apr 16, 2021

Update 2019-04-08-streams-part3-conclusion.md ...

fd67197

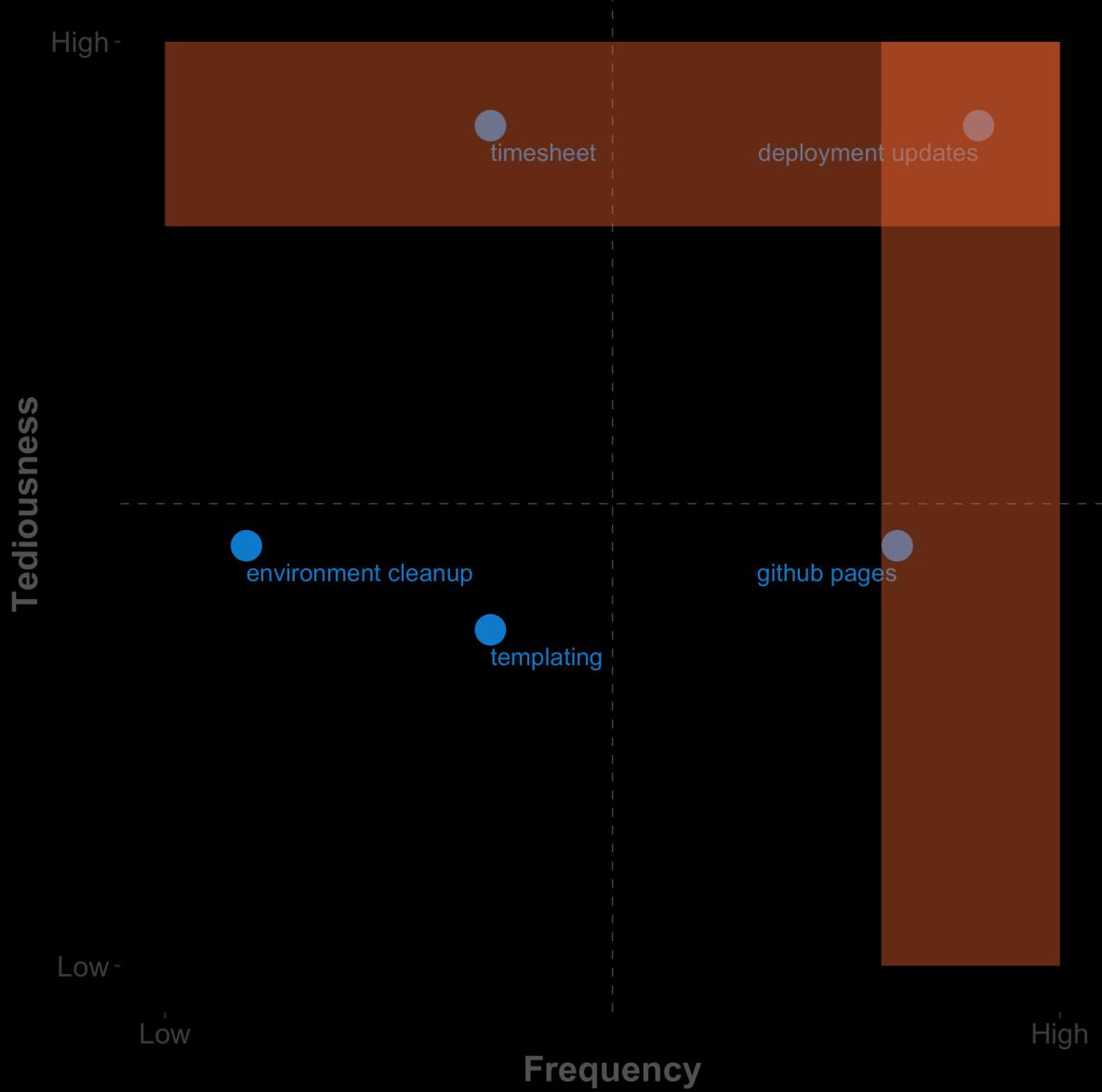
WHAT I'VE LEARNED & SAVED

Bash scripting

Github Actions

Lot's of time & frustration

CONCLUSION



TECHNICAL DETAILS



www.pieterjd.be