

DÉVELOPPEMENT FULL STACK

Stage de M1

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12 août 2016

CMI SID

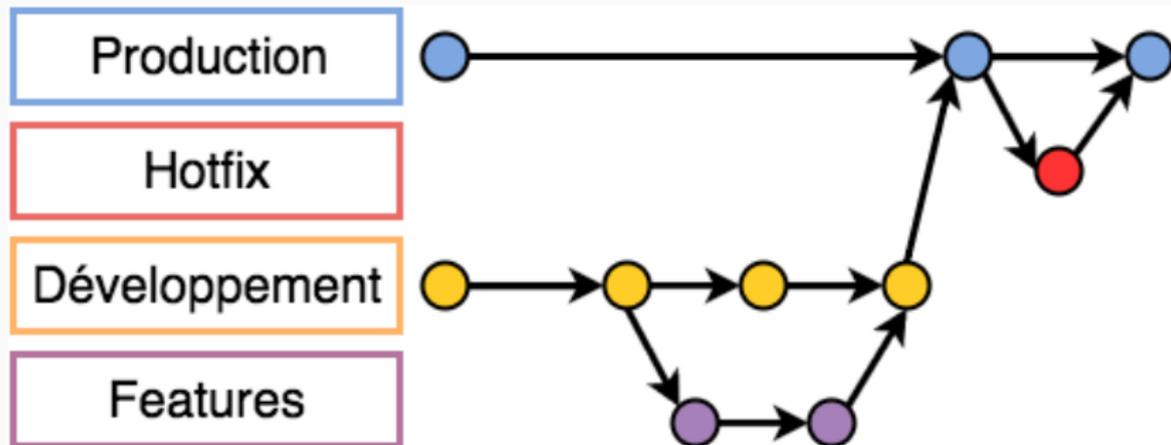
- **Lieu** - Paris (20ème puis 12ème)
- **Thème** - Le développement web dit “full stack”
- **Notions** - Web, data science, B2C2B, start-up, features, agile
- **Superviseur** - Raphaël Kolm

DÉVELOPPEMENT ORIENTÉ PRODUIT

1. Inception
2. Implémentation
3. Review tech et produit
4. Mise en production

Ping-pong permanent entre les différentes phases!

- Taux de **conversion**
- Taux de **ré**ttention
- Taux de **repeat**
- Amélioration du **funnel**
- Targeting via le **SEO**
- Faire en sorte que le **business model** soit compris
- Améliorer les **process**



DÉVELOPPEMENT FRONTEND

Placeholder for search results, consisting of a vertical list of horizontal bars of varying lengths and colors (gray and white).



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https://www.privateaser.com/reservation-bar?ambiance=clubbing=1&t Terrasse=1

Blog To read Tools Programming Maths Torrents Stage M2 Privateaser OpenBikes Action requies : Min Alder Home | Read the O... Jupyter Notebook V Microsoft Research MiDocs La

Privateaser
Un lieu pour chaque moment

Réservation de bar Restaurant pour groupe Location de salle

5 bars correspondent à votre recherche

Votre évènement

- Réservation de bar
- Restaurant pour groupe
- Location de salle

Date de votre évènement

Nombre d'invités

Combien d'invités ?

Affiner votre recherche

Ambiance

- Calme
- Animée
- Clubbing

Horaire d'ouverture

- Ouvert après 2h

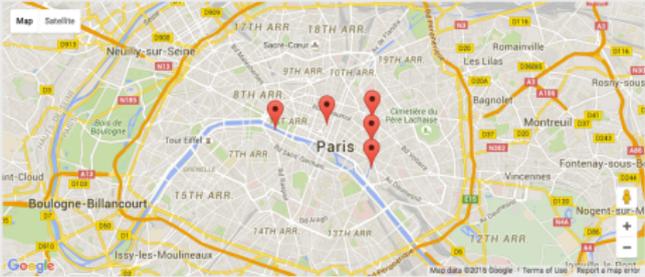
Promotions

- Bars où Privateaser a négocié des offres spéciales

Type de paiement

- Chaque invité paye ses consommations sur place
- Sur devis avec règlement à l'avance

Type de restauration





LE CUBA COMPAGNIE
Sabin
Groupes de 10 à 80 pers.

PROMOTION PRIVATEASER
Happy Hour jusqu'à 21h30

Réserver



L'EVENTAIL
Oberkampf
Groupes de 10 à 100 pers.

Réserver

Presets

← → ✕ 🏠 🔍

Sélection bars avec beer pong et karaoké

Nom

Slug

URL

Descriptif

Récapitulatif

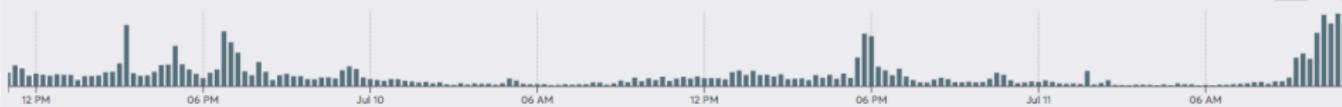
Filter	Valeur
Univers	reservation-bar
Tags	beerpong;karaoke

DÉVELOPPEMENT BACKEND

LOGS

No filters

Last 48 hours



41,087 results found. Count

Columns

Jul 11 11:25:39.922	d71e1c	HTTP request	/admin/api/even- > {"path":"/admin/api/events/find","endpoint":"api.events_find","user_type":"admin_user","method":"POST"
Jul 11 11:25:39.563	01f012	Slow request	> {"duration":0.5037741661071777,"endpoint":"api.events_find","user_type":"admin_user","level":"warning"
Jul 11 11:25:39.168	6dba9b	EtabService.fil	> {"chunk_count":1,"user_type":"anonymous","level":"warning","user_id":null,"user_name":"Utilisateur inc
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Jul 11 11:25:38.946	6dba9b	HTTP request	/reservation-bar > {"args":{"date":"2016-07-30","personnes":"30-40"},"path":"/reservation-bar","endpoint":"search_bar","u
Jul 11 11:25:38.816	f6634c	HTTP request	/favicon.ico > {"path":"/favicon.ico","endpoint":null,"user_type":"anonymous","method":"GET","level":"info","user_id"
Jul 11 11:25:37.619	15bab1	EtabService.fil	> {"chunk_count":1,"user_type":"anonymous","level":"warning","user_id":null,"user_name":"Utilisateur inc
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Jul 11 11:25:37.410	bf9aa8	EtabService.fil	> {"chunk_count":1,"user_type":"anonymous","level":"warning","user_id":null,"user_name":"Utilisateur inc
Jul 11 11:25:37.336	b9aa8b	HTTP request	/api/etabs > {"args":{"date":"2016-07-21","paiement-sur-place":"1","offset":"0","universe":"reservation-bar","zoom"
Jul 11 11:25:36.764	f6634c	HTTP request	/lieu/309-le-ma- > {"args":{"date":"2016-07-23","personnes":"10-20"},"path":"/lieu/309-le-maine-cafe","endpoint":"etablis
Jul 11 11:25:36.433	8b747f	HTTP request	/admin/api/even- > {"path":"/admin/api/events/37520","endpoint":"api.events_get","user_type":"admin_user","method":"GET","'
Jul 11 11:25:35.157	01f012	HTTP request	/admin/api/occu- > {"path":"/admin/api/occupancy/2016-09-15/747,714","endpoint":"api.occupancies","user_type":"admin_user"
Jul 11 11:25:34.988	01f012	HTTP request	/admin/api/alte- > {"path":"/admin/api/alternatives/49693/set_expiration_date","endpoint":"api.alternatives_set_expirati
Jul 11 11:25:33.990	64de84	HTTP request	/webhook/nexmo/_ > {"path":"/webhook/nexmo/inbound-message","endpoint":"nexmo_inbound_message","user_type":"anonymous","m
Jul 11 11:25:33.217	9053b1	HTTP request	/lieu/342-153-b- > {"args":{"date":"2016-07-11","personnes":"10-20"},"path":"/lieu/342-153-bar-tapas-cocktails","endpoint"
Jul 11 11:25:32.271	15bab1	HTTP request	/lieu/835-la-gr- > {"args":{"date":"2016-07-12","personnes":"30-40"},"path":"/lieu/835-la-green-room","endpoint":"etablis
Jul 11 11:25:31.049	cdb28c	HTTP request	/lieu/850-madam- > {"path":"/lieu/850-madam-messieurs","endpoint":"etablissement","user_type":"anonymous","method":"GET"
Jul 11 11:25:29.482	9053b1	EtabService.fil	> {"chunk_count":1,"user_type":"anonymous","level":"warning","user_id":null,"user_name":"Utilisateur inc
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Jul 11 11:25:28.625	d71e1c	HTTP request	/admin/api/sms/_ > {"path":"/admin/api/sms/conversation","endpoint":"api.api_conversation","user_type":"admin_user","meth
Jul 11 11:25:28.206	d71e1c	HTTP request	/admin/api/sms/_ > {"path":"/admin/api/sms/unread","endpoint":"api.sms_unread","user_type":"admin_user","method":"GET","l
Jul 11 11:25:28.204	d71e1c	HTTP request	/admin/api/sms/_ > {"path":"/admin/api/sms/templates","endpoint":"api.sms_templates","user_type":"admin_user","method":"Gi
Jul 11 11:25:27.642	01f012	HTTP request	/admin/api/sms/_ > {"path":"/admin/api/sms/unread","endpoint":"api.sms_unread","user_type":"admin_user","method":"GET","l

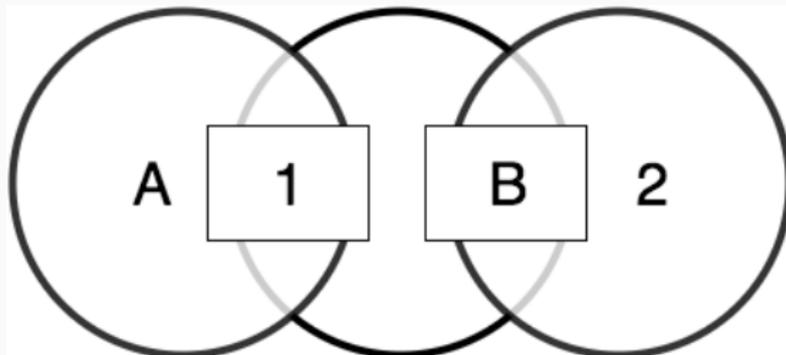
- Rendre l'API imperméable
- Etre clair sur les routes API exposées
- Instaurer de la cohérence et de la transparence
- Soulever les problèmes d'"hypocrisie"

- Encourager une culture test-centered
- Promouvoir les tests end-to-end
- Eviter les mises en production comportant des bugs
- Système de phases:
 1. Test lancés en local (pre-commit)
 2. Build de l'application avec Docker puis lancement des tests
 3. Interdire les pushes qui ne passent pas les tests

DATA SCIENCE

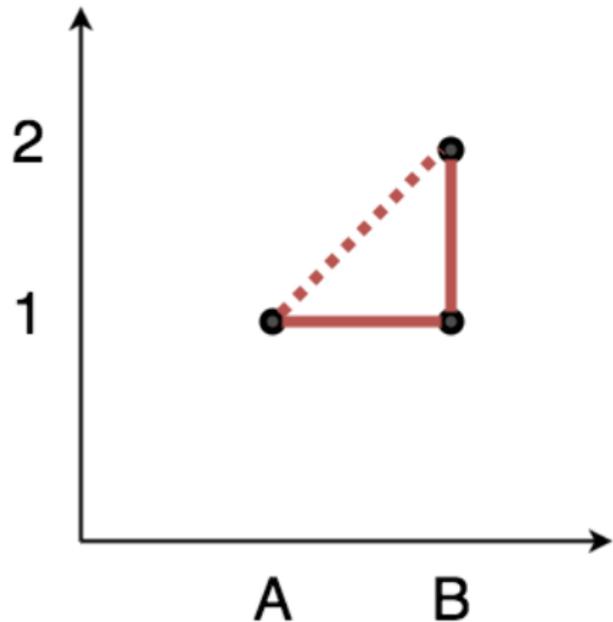
- Les utilisateurs ont plusieurs adresses emails et téléphones
- Besoin de relier des pseudo-utilisateurs
- Possibilité de regrouper par entreprises
- De nombreuses applications, potentiellement

DIAGRAMME DE VENN



- (A, 1), (B, 1), (B, 2) forment une seule entité
- (A, 1) et (B, 2) font partis de la même entité alors qu'ils n'ont rien en commun
- (1, B) est un "maillon"

INTUITION



1. On considère $(A, 1)$
2. On relie $(A, 1)$ à $(B, 1)$ (même numéro)
3. On considère $(B, 1)$
4. On relie $(B, 1)$ à $(B, 2)$ (même lettre)
5. On considère $(B, 2)$
6. Tout les points ont été considérés

```
function CHAIN(index (int), cluster (list), depth (int))
    new_user ← users[index]
    if cluster.length == 0 then
        cluster ← [new_user]
    end if
    for all key, value in new_user do
        for all i, user in users do
            if user.key == value then CHAIN(i, cluster + user, depth + 1)
            end if
        end for
    end for
    if depth == 0 then
        clusters.append(cluster)
    end if
end function
```

```
users ← [{email: maxhalford@gmail.com, number: 0628251338}...]
clusters ← []
repeatCHAIN(0, [], 0)
until users.length > 0
```

MERCI POUR VOTRE ATTENTION