Spécial OVNI !
Comment le Web peut nous sortir "contre notre gré" du brouhaha
perpétuel d'internet !

My resume in an operating system : un buzz et ses conséquences

Mathieu PASSENAUD

 @mathieupassenau

www.mathieupassenaud.fr

# Devops
Backend - API

Définitions

Hacker

La cathédrale et le Bazar
The Art of Unix Programming
Learning GNU Emacs

Eric Steven Raymond

« J'utilise le mot « hacker » dans son sens premier pour décrire une personne qui pratique la programmation informatique comme une sorte de passion artistique et qui fait partie ou s'identifie à la culture des hackers, c'est-à-dire le groupe de programmeurs à l'origine d'internet, de Linux et du World Wide Web. »

Buzz
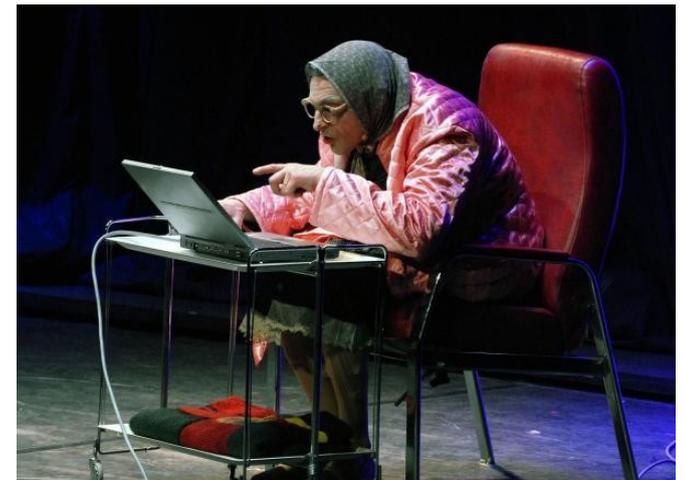
Alors un buzz… Tu vois quand la mère Gauthier emmène ses carcasses de poulets à bouffer à son chien Trompette ?

Le bestiau il la voit arriver de loin, ça l'excite, alors il se fout à gueuler.

Le chien de la mère Gauthier fait gueuler le chien de la mère Grillon.

Le chien de la mère Grillon fait gueuler les chiens de chasse à Maurice Pouvron.

C'est comme ça qu'en 2 temps 3 mouvements tous les chiens de la région savent que le chien de la mère Gauthier bouffe ses carcasses de poulet.
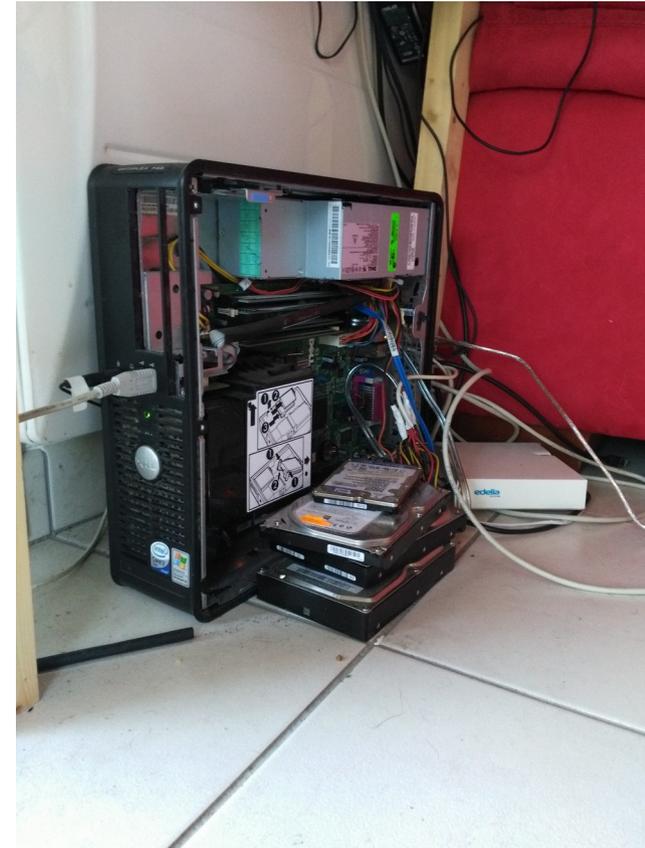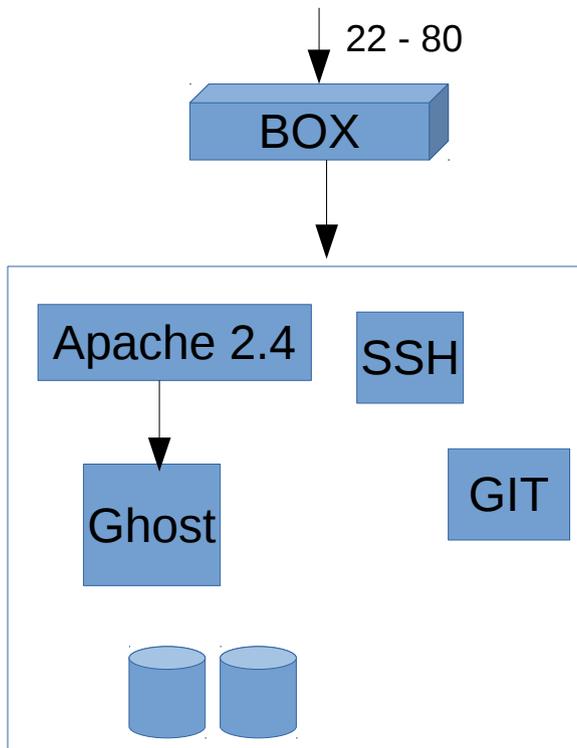
C'est ça un buzz

Un buzz de chiens certes

Mais un buzz quand même

Site « perso »

Hébergement « perso »

- Serveur @home
- ADSL 8M/1M
- Pages de ~220Ko

www.mathieupassenaud.fr

22 - 80

BOX

Apache 2.4

SSH

Ghost

GIT

- Pas de monitoring (pourquoi faire?)
- Pas de HA
- Pas de cache
- Pas de stats
- Pas d'alerting
- …

- docker run –name apache apache:lastest

L'article du mois

Construisez votre propre système d'exploitation

Partie 1

Et si on écrivait un OS ?

Architecture

- BIOS – EFI etc…
- Secteur de boot
- Bootloader
- Système d'exploitation (OS)

Et si on écrivait un OS ?

Multitaches

- Threads
- Processus
- Processeur mono cœur
- Environnement d'exécution

Since 2008 !

Ce projet a déjà convaincu pour obtenir un emploi

Lundi 5 septembre 2016

8 h 00

Mathieu Passenaud
DevOps

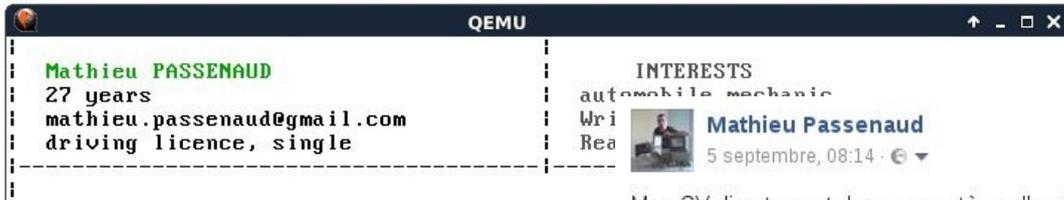REST API lover, playing with IOT, arduino, Golang, Java, Bash.

My resume in an Operating system

Purpose

This is one of the most useless idea I've ever had -- making an operating system that only shows my resume.

8 years ago, when I was a student, I started a big project -- build my own operating system, just for fun. The very basic functionalities are here : multithreading, pagination, text console, interruption, exceptions.
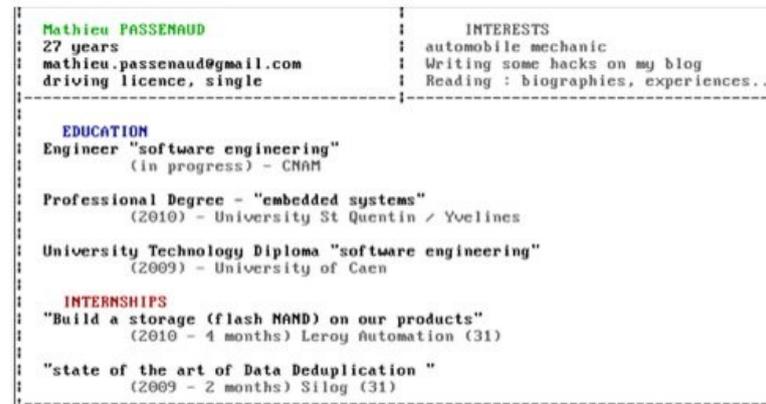
From this project, I took only what I need to boot and show my resume on 2 screens. This is a fantastic start to explain how it works.

```
┌─────────────────────────── QEMU ───────────────────  ↑ _ □ ✕ ──┐
│                                        │                         │
│ Mathieu PASSENAUD                      │   INTERESTS             │
│ 27 years                               │   automobile mechanic   │
│ mathieu.passenaud@gmail.com            │   Wri                   │
│ driving licence, single                │   Rea                   │
│                                        │                         │
└──────────────────────────────────────┴─────────────────────────┘
```

Mathieu Passenaud
@mathieupassenau

My resume directly in a very basic operating system. No libraries, no SDK...
mathieupassenaud.fr/resume/
#hack

⊕ Voir la traduction

Mathieu Passenaud
5 septembre, 08:14 · 🌐 ▼

Mon CV directement dans un système d'exploitation. Pas de librairie tierce... 100% home made

http://www.mathieupassenaud.fr/resume/

http://www.mathieupassenaud.fr/downloads/os.iso... Afficher la suite

```
Mathieu PASSENAUD                      │   INTERESTS
27 years                               │   automobile mechanic
mathieu.passenaud@gmail.com            │   Writing some hacks on my blog
driving licence, single                │   Reading : biographies, experiences...

EDUCATION
Engineer "software engineering"
         (in progress) - CNAM

Professional Degree - "embedded systems"
         (2010) - University St Quentin / Yvelines

University Technology Diploma "software engineering"
         (2009) - University of Caen

INTERNSHIPS
"Build a storage (flash NAND) on our products"
         (2010 - 4 months) Leroy Automation (31)

"state of the art of Data Deduplication "
         (2009 - 2 months) Silog (31)
```

My resume in an Operating system

Purpose This is the quiet useless idea I've ever had : made an operating system that only shows my resume. 8 years ago, when I was a student, I started a big project : build my own operating system. Just for fun. Very basic functionalities are here :...
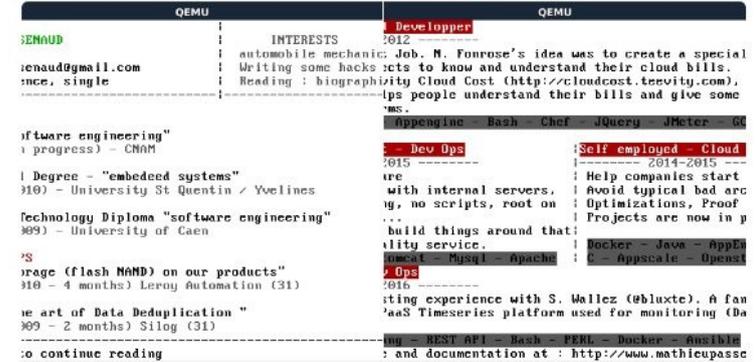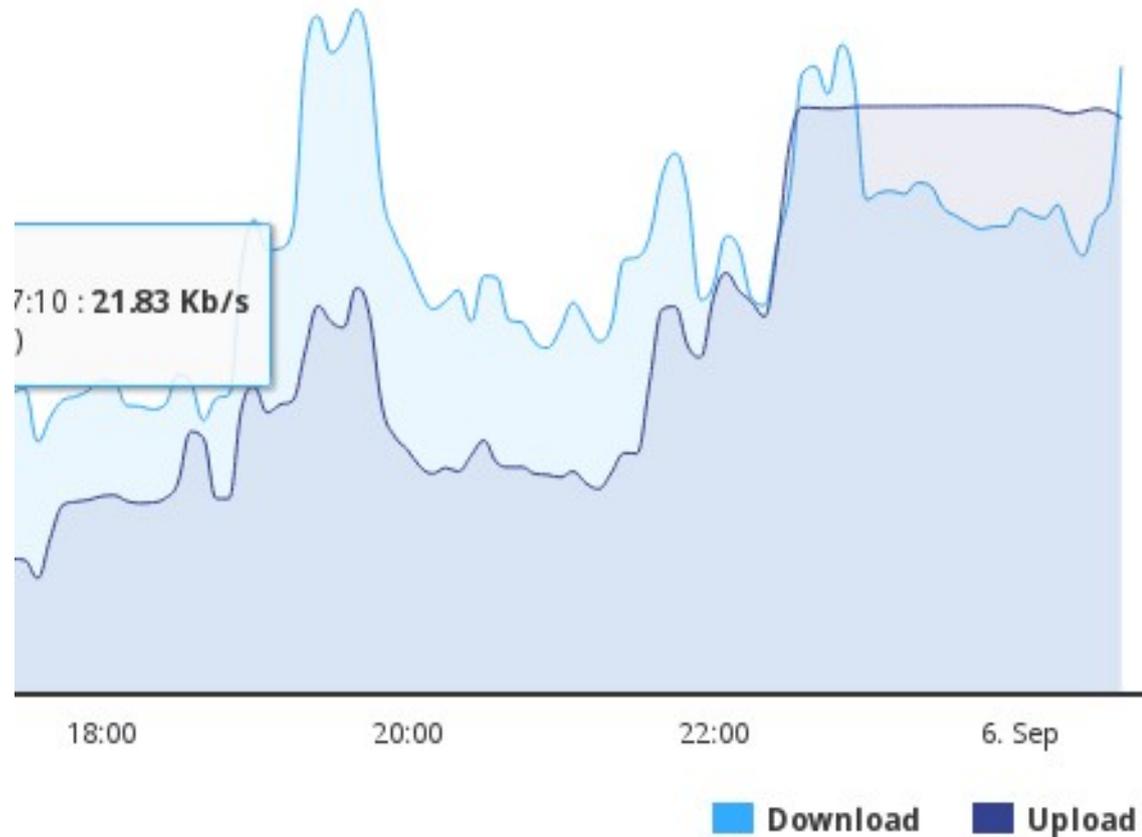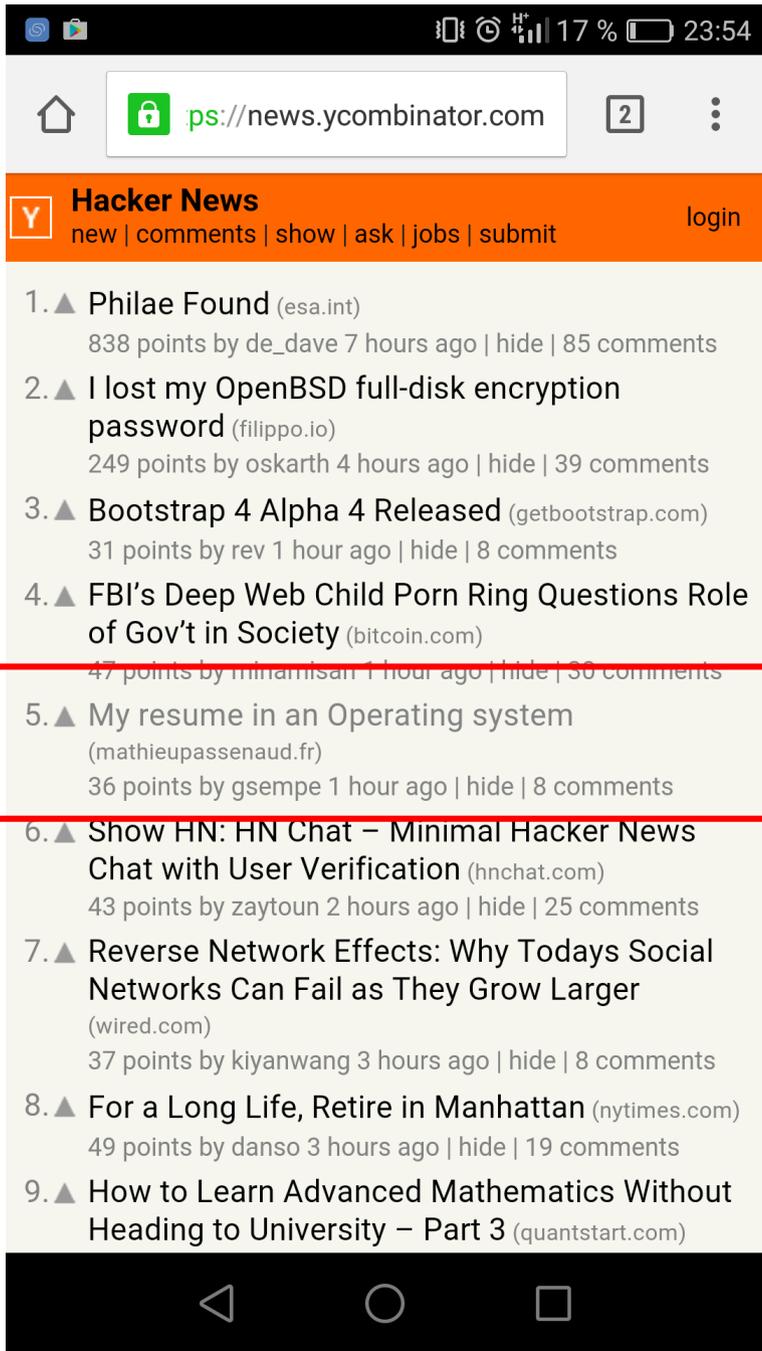
MATHIEUPASSENAUD.FR

DevFest
Toulouse 2016

Lundi 5 septembre 2016

22 h 30

Ça commence à ramer à la maison

Environ… 13 visites par seconde

tail -f /var/log/apache2/access.log

17 % 23:54

🏠 🔒 ps://news.ycombinator.com 2 ⋮

Hacker News   login
new | comments | show | ask | jobs | submit

1. ▲ Philae Found (esa.int)
838 points by de_dave 7 hours ago | hide | 85 comments

2. ▲ I lost my OpenBSD full-disk encryption password (filippo.io)
249 points by oskarth 4 hours ago | hide | 39 comments

3. ▲ Bootstrap 4 Alpha 4 Released (getbootstrap.com)
31 points by rev 1 hour ago | hide | 8 comments

4. ▲ FBI's Deep Web Child Porn Ring Questions Role of Gov't in Society (bitcoin.com)
47 points by minamisan 1 hour ago | hide | 30 comments

5. ▲ My resume in an Operating system (mathieupassenaud.fr)
36 points by gsempe 1 hour ago | hide | 8 comments

6. ▲ Show HN: HN Chat – Minimal Hacker News Chat with User Verification (hnchat.com)
43 points by zaytoun 2 hours ago | hide | 25 comments

7. ▲ Reverse Network Effects: Why Todays Social Networks Can Fail as They Grow Larger (wired.com)
37 points by kiyanwang 3 hours ago | hide | 8 comments

8. ▲ For a Long Life, Retire in Manhattan (nytimes.com)
49 points by danso 3 hours ago | hide | 19 comments

9. ▲ How to Learn Advanced Mathematics Without Heading to University – Part 3 (quantstart.com)

🐛 embedsys - Embedded Systems ▸ Public   Sep 05, 2016 ⋮

What about building an Operating System Resume? "My resume in an Operating system" http://www.mathieupassenaud.fr/resume/

Traduire

My resume in an Operating system

```
                                   QEMU                    ↑ _ □ ✕
| Mathieu PASSENAUD            |        INTERESTS
| 27 years                     |   automobile mechanic
| mathieu.passenaud@gmail.com  |   Writing some hacks on my blog
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|------------------------------|-----------------------------------------
|
| EDUCATION
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| "Build a storage (flash NAND) on our products"
|        (2010 - 4 months) Leroy Automation (31)
|
| "state of the art of Data Deduplication "
|        (2009 - 2 months) Silog (31)
|
| press a key to continue reading
```

mathieupassenaud.fr

DevFest
Toulouse 2016

Dans l'urgence

- service ssh-server stop

- wget -r -np www.mathieupassenaud.fr

- Instance AWS

- Bascule DNS

We are online

Et là… la découverte commence

← mathieu passenaud

Top Tweets

Bertrand Drouvo
My resume in an
mathieupassena

R2 @SinpeachLai
真是怎么样写简历
统中：mathieupa

nixCraft # @nixcr
This is so aweso
Operating syster
mathieupassena

Jesus Mondrago
This is a really ge
My resume in an
mathieupassena

resume_operating_system

my resume in a home made operating system

★ 238 ● C

Minitel

★ 1 ● Perl

cloudfuse

Forked from redbo/cloudfuse

Filesystem (fuse) implemented on Mosso's Cloud Files

★ 1 ● C

Tous les Tweets

11 h
rating system
/resume/

11 h
ak
blend?
it can print, maybe v2.0.
erating system"
/resume/

11 h
h
built an OS just to show
naud.fr/resume/ #nerdy

11 h
rating system
/resume/
programming
♥ 1

Devfest
Toulouse 2016

This ugly operating system is actually a killer CV

```
                              QEMU                           ↑ _ ▢ ✕

  Mathieu PASSENAUD                 |      INTERESTS
  27 years                         |   automobile mechanic
  mathieu.passenaud@gmail.com      |   Writing some hacks on my blog
  driving licence, single          |   Reading : biographies, experiences...
  ---------------------------------|--------------------------------------
  
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  "state of the art of Data Deduplication "
           (2009 - 2 months) Silog (31)
  ---------------------------------------------------------------------
   press a key to continue reading
```

Catching the attention of potential employers could be quite the daunting task unless you have a CV that truly stands out.

This is why when developer Mathieu Passenaud needed a new resume, he decided to take a creative approach and opted to build an entire operating system with the sole intention of using it as a CV.

DevFest
Toulouse 2016

Operating System Doubles As A Fantastic Resume

Developer Mathieu Passenaud got ahead of the curve by building a piece of software to stand in as his CV

IVANHA PAZ | 9 SEPTEMBER 2016

Getting the attention of potential employers can be difficult, especially when there are hundreds of resumes that look similar to your own. French developer **Mathieu Passenaud** decided to stand out by showcasing his skills, building an operating system that is actually his resume (a rather fantastic resume, at that).

"This is one of the most useless idea I've ever had — making an

Мэтью Пассенод (Mathieu Passenaud)

Европа
Информационные технологии

Программист, разработчик

Биография

С ноября 2015 года по сентябрь 2016 года работал программистом в хостинг-провайдере OVH.

С декабря 2012 года по октябрь 2015 года - технический аналитик в компании Berger-Levrault.

С октября 2014 года по сентябрь 2015 года работал архитектором и разработчиком облачного ПО не по найму.

С июля 2010 года по ноябрь 2012 года - облачный разработчик в Teevity.

Мэтью Пассенод (Mathieu Passenaud)

Материал подготовлен на основе информации из открытых источников

DevFest
Toulouse 2016

Để gây ấn tượng với nhà tuyển dụng, một lập trình viên đã phát triển một hệ điều hành riêng để giới thiệu về CV của anh.

Mathieu Passenaud, một lập trình sáng tạo, đã xây dựng hẳn một hệ điều hành để giới thiệu CV của chính mình. Anh sử dụng dự án cũ, 8 năm trước, được xây dựng hồi còn sinh viên và dùng nó để tạo hệ điều riêng cho anh. Kết quả là một hệ điều hành mới, đơn giản, và chỉ có 2 trang CV giới thiệu về bản thân; trong đó, hệ điều hành có khả năng xử lý nhận kí tự từ bàn phím và hiển thị text ra màn hình.


```
                                              QEMU                          ↑ _ □ ✕

  Mathieu PASSENAUD                │        INTERESTS
  27 years                        │     automobile mechanic
  mathieu.passenaud@gmail.com     │     Writing some hacks on my blog
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  "Build a storage (flash NAND) on our products"
           (2010 - 4 months) Leroy Automation (31)

  "state of the art of Data Deduplication "
           (2009 - 2 months) Silog (31)
  ----------------------------------------------------------------------------------
   press a key to continue reading
```

Anh cũng thực hiện chia sẻ mã nguồn lên Github. Trên đó, anh có hướng dẫn cách sử dụng, xây dựng và triển khai từ mã nguồn. Để tạo file binary, anh chỉ sử dụng có 3 công cụ chính là NASM để biên dịch mã assembly, GCC và ld để liên kết. Hệ điều hành được triển khai sử dụng các chức năng cơ bản của một hệ điều hành như phân trang (pagination), màn hình text console, xử lý đa luồng (multithreading), ngắt (interruption) và exception.

Bạn có thể tham khảo thêm tại trang chủ của Mathieu, mã nguồn trên Github, hoặc tải file ISO (8MB) để thử nghiệm.

W riting a perfect resume is a tricky job. That's why we keep coming across new templates and formats that "guarantee" success. Earlier this year in April, we came across a resume for Elon Musk created by Novoresume that showed that a single-page resume is enough.

Trying to solve his problem, probably, a developer named Mathieu Passenaud decided to adopt a unique approach. He wrote a complete operating system that only shows his resume.

When I came across his blog, I was eager to see how it actually worked. So, I downloaded the ISO file (just 8.3MB) and booted it in a virtual machine. On his blog, Mathieu describes himself as a REST API lover who likes playing with IoT, Arduino, Golang, Java, and Bash. To create his "resume", he used a project that he built for fun during his student days.

utes les langues ▾   Date indifférente ▾   Tous les résultats ▾

✓ Date indifférente

   Moins d'une heure

   Moins de 24 heures

   Moins d'une semaine

   Moins d'un mois

   Moins d'un an

   Période personnalisée

.ud

aud.fr/ ▾ Traduir

Publications CV. Pu   s. Assigner 2 ip à ur
ab-ci with arduino
e page 5 fois. Derr

.ud (@mathieu

hieupassenau ▾

Mathieu Passenau   REST API lover iot, c
teresting things. T

ud | LinkedIn

BILAN
-
CONSEQUENCES

En chiffres

De 1… à ~ 100 000 visiteurs uniques / jour
Pendant 3 semaines

2000 mails sur 2 jours (tweets, linkedin, ...)

4 propositions de « discussions »
31 demandes de contacts pour jobs potentiels

Quelques centimes d'euros d'instance AWS

Votre buzz ?

- Ne cherchez pas à le provoquer
  - Vous n'y arriverez pas
- Prévoyez quand même que ça puisse arriver...
- ... même si ce n'est pas nouveau / innovant

Si vous avez de la chance...

TWEET TWEET TWEET

DevFest
Toulouse 2016

Exemples

Human Talks / **Toulouse** / **Mardi 10 décembre 2013** / Twitter avec le Minitel

Twitter avec le Minitel

par **Mathieu Passenaud** à **Toulouse** le **mardi 10 décembre 2013**

La suite d'u

Comm

Quelle

Puis, prése

Atelier au THSF: hack

← → C ⌂   🗋 linuxfr.org/users/yazgoo/journaux/atelier-au-thsf-hacking-de-minitel

Mathieu

Applications   📁 Linux   🗋 Bona Fide OS Dev   📁 Importés depuis IE   Autres

ACCUEIL | DÉPÊCHES | JOURNAUX | FORUMS | SONDAGES | WIKI | SUIVI | PLAN   Rechercher

LINUXFR.ORG

Journal : Atelier au THSF: hacking de minitel

Posté par **yazgoo** (**page perso**) le 24/05/13 à 09:49. **Licence CC by-sa**
Tags :   **minitel**, **arduino**, **mixart_myrys**, **tetalab**, **thsf**

24 mai 2013

15

Sommaire

- Réalisation du cable
- Branchement de l'arduino
- Présentation de mon Makefile
- Récupération de la bibliothèque
- Utilisation de la bibliothèque
- Conclusions

🔒

✏ Proposer un contenu

Identifiant

Identifiant

Mot de passe

Mot de passe

☐ Connexion automatique

✔ Se connecter

Bonjour,

Le THSF est un rassemblement annuel de hackerspaces ʷ.
Il se tient en ce moment au myx'art myrys, qui héberge le tetalab.
Durant ce dernier ont lieux des conférences ainsi que des ateliers.
Hier, un atelier minitel animé par Jerome Saint-Clair aka 01010101 a eu lieu
dans le but d'apprendre à intéragir avec sa bibliothèque en utilisant arduino.

DevFest
Toulouse 2016

klange's résumé

The only maintained copy of my résumé is in the form of a 38MB PDF/ISO hybrid. I am happily employed. I live in Tokyo and have no desire to relocate.

resume_iso.pdf - This is both a PDF and a bootable ISO of my operating system, ToaruOS.

VirtualBox (512MB RAM; Unknown/Other for OS type; otherwise default settings) is preferred for most use cases, but you will need to **rename the file to end in ".iso"** or downloaded it from this link instead.

Alternatively, you can use QEMU:

```
qemu-system-i386 -vga std -m 512 -cdrom https://r.dakko.us/resume_iso.pdf \
        -enable-kvm -soundhw ac97 -net user -net nic,model=rtl8139
```

If you want to run this on real hardware, you'll need a PS/2 keyboard and mouse, and a graphics card that provides a 1024x768 32bpp display mode through VESA.

It should also open in your favorite PDF viewer. If you mount the CD, /self.pdf is a recursive entry that contains the entire CD - it, too, should open in your favorite PDF reader.

If you wish to use the ISO with VMWare Workstation, please note that there is a known issue with the ATAPI driver and it should be disabled in the "Configure optional modules" menu in the bootloader. Note that there is no functioning ethernet or audio driver for VMWare Workstation.

Latest release: 2016-09-28 (v7.0) md5: 169f7901f4a0f8cdc2d4611593fc9162

If you absolutely must have my résumé in a minimal PDF form, classic.pdf provides the same PDF as above without the integrated ISO, but is not guaranteed to be up to date.

© Copyright 2011-2016 Kevin Lange
You should also take a look at my GitHub profile.
See here for a writeup on how this works.

Terminal

PDF Viewer - Page 1 of 1   ✕

Kevin R. Lange
覧貝 ケビン
1045 Mission St. Apt 440
San Francisco, CA 94103
United States
(415) 926-2701 - 050 3136 6359

| Contact Information | Work Email: klange@yelp.com   Personal Email: klange@toaruos.org |
| | Github Profile: https://github.com/klange   Twitter: @kevinlange |

Employment History

Software Engineer, Internationalization, Yelp, Inc., San Francisco, CA   6/2014 -
- Furthered Yelp's support of Japanese text and locations post-launch.
- Contributed to engineering efforts for launching Yelp in Hong Kong.
- Managed engineering efforts for launching Yelp in Taiwan.

Software Engineer, Infrastructure, Yelp, Inc., San Francisco, CA   6/2012 - 6/2014
- Developed internal libraries and infrastucture for microservices architecture.
- Maintained a number of Yelp's open-source libraries and tools.
- Redesigned User Generated Content (UGC) validation to support Japanese.
- Evaluated options for search lemmatization for Japanese.

Software Engineering Intern, Apple, Inc., Cupertino, CA   5/2011 - 8/2011
- Designed and built a software framework for testing retina graphics modes for desktops and laptops.
- Engaged in quality assurance testing for OS X Lion.

Software Engineer, CMC, Inc., Cleveland, OH   6/2007 - 11/2008
- Worked on ENIVATE team to develop software for configuring high-end, articulated airline seats.
- Ported legacy Visual Basic 6 software stack to .NET.
- Developed client tools for ARINC compliance testing and verification.
- Managed corporate network infrastructure and IIS webserver.

Primary Developer, とぁるOS (ToAruOS)   1/2011 - Present
- Hobby x86 operating system with built-from-scratch kernel
- POSIX- and Linux-inspired interfaces
- Advanced compositing graphical interface

University of Illinois at Urbana-Champaign, Urbana, IL   2009 - 2012
- Bachelor of Science in Computer Science
- Minor in International Studies in Engineering, Japan
- Active member of ACM and president of Linux Users Group

Hiroshima Institute of Technology, Hiroshima, Japan   2010
- Cultural and engineering exchange program
- Included intensive language course

Experienced: Python, C
Familiar: x86 assembly, C++, JavaScript, C#, Java, Perl, Ruby, Visual Basic (6, .NET), MIPS assembly
Natural: English (native), Japanese (intermediate), Spanish (limited), American Sign Language (basic)

Tools: MySQL, Apache, dovecot, LaTeX, Puppet, bcfg2, JIRA, Trac
Frameworks: Posix.1 2008, OpenGL, Pyramid, Apache Lucene

---

local@toaru-test:~   ✕

```
local@toaru-test ~$ sysinfo                                    [07/27 23:11:41]
                        local@toaru-test
                        OS: ToaruOS
                        Kernel: toaru 0.11.1-9de6919-dirty
                        Uptime: up  7 seconds
                        Shell: esh 0.11.0 - experimental shell
                        Resolution: 1024x768
                        WM: Yutani
                        WM Theme: fancy
                        Font: DejaVu Sans Mono
                        RAM: 173 MB / 511 MB
local@toaru-test ~$                                            [07/27 23:11:43]
```

#RIPDenisRichie

Quelques conseils

punctuation

adjective

ENGLISH

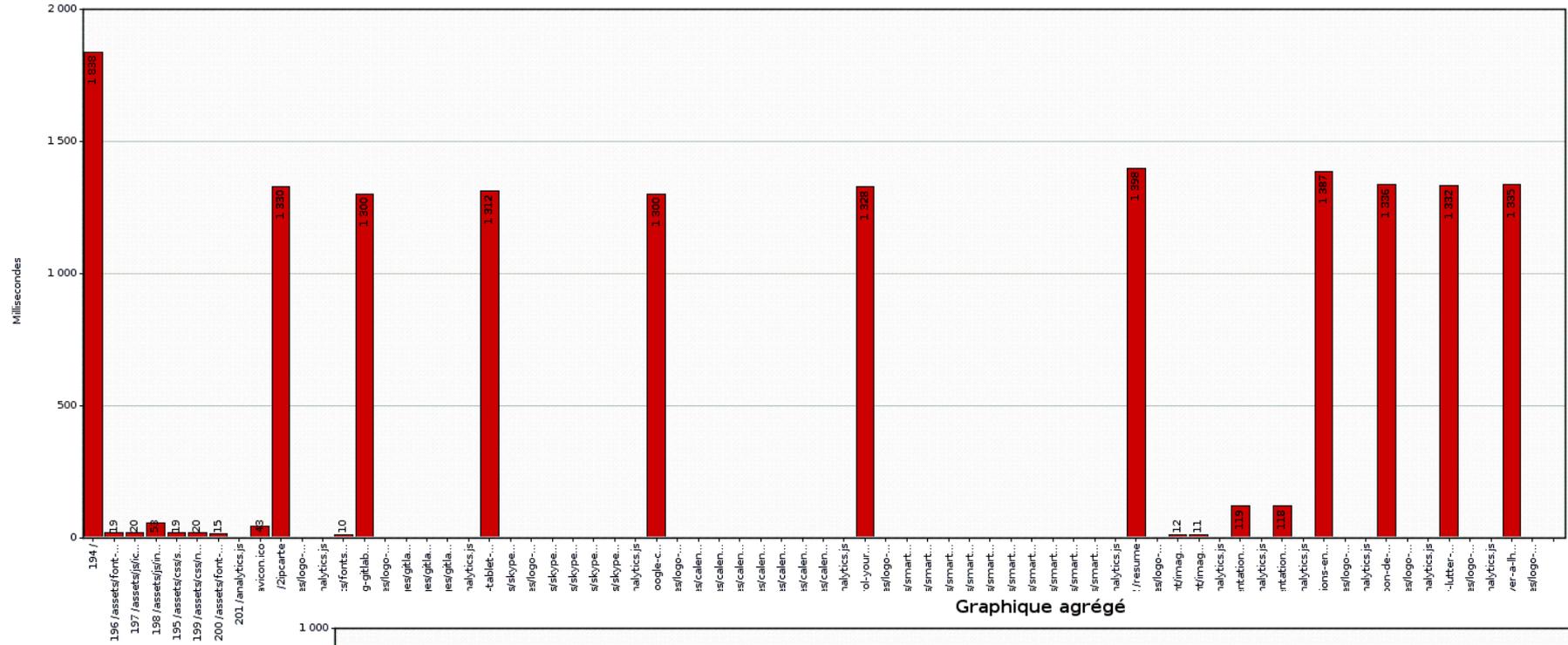noun

verb

subject &
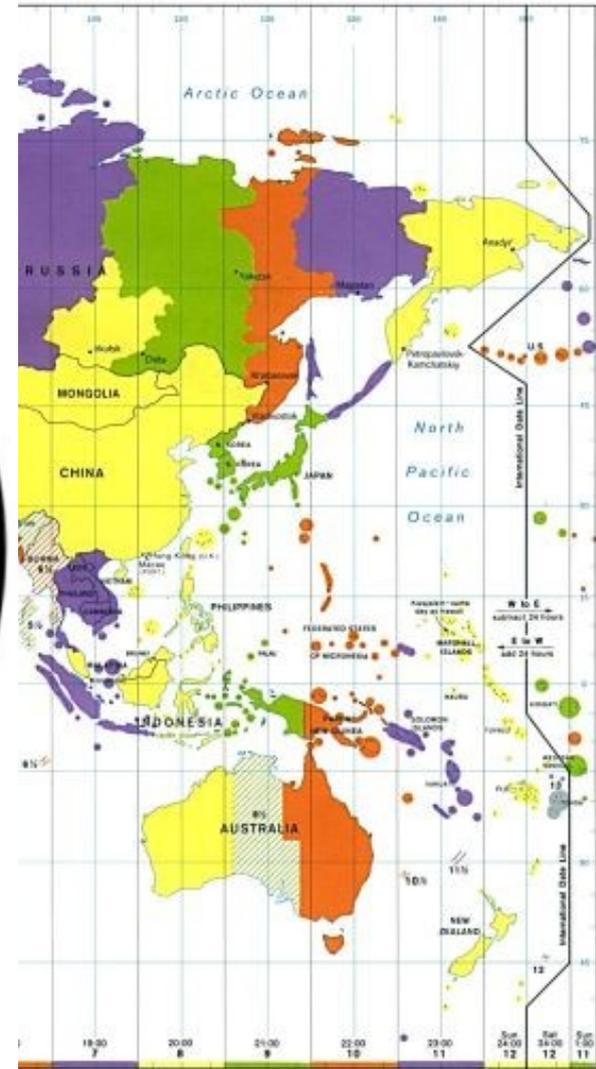
Vous gagnez en visibilité
…
Vous devenez amis avec les bots

- ssh
- phpmyadmin
- Wordpress
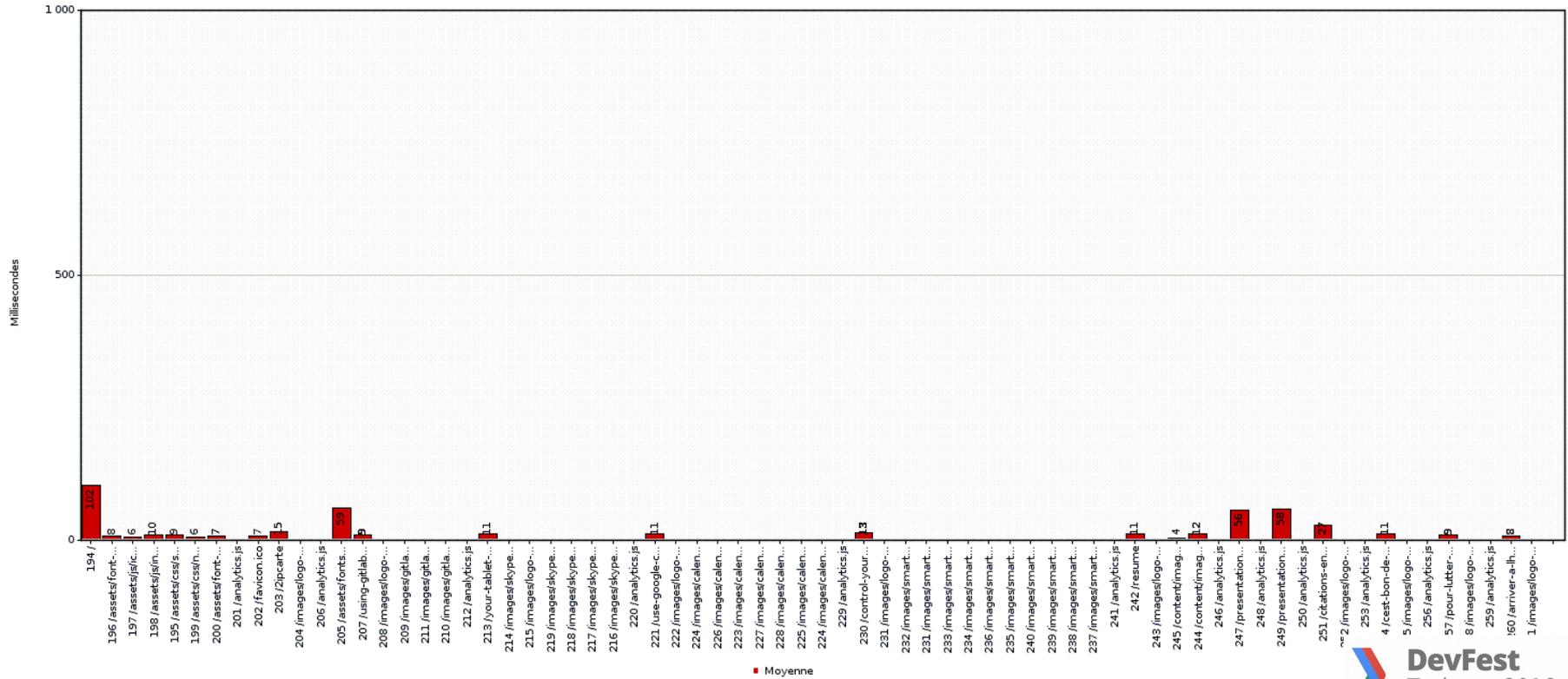- Prestashop
- Ghost
- Joomla
- ...

- Suppression du CMS (Ghost)
  - Génération de fichiers statiques (wget -r -np)

➜ Meilleur cache

➜ Sécurité

➜ Compatibilité

Graphique agrégé

Graphique agrégé

DevFest Toulouse 2016

- Monitoring – alertes
  - Un fournisseur le fera pour vous

- CDN

- Statique
  - Performance
  - Plus facile à gérer dans l'urgence
  - Universel
  - Sécurité

Monitoring

- Awstat

- Webalizer

- Goaccess

- Collectd

- Monit
  - https://mmonit.com/monit/

Utilisez l'existant

Commentaires

- Est-il judicieux d'y répondre ?

- A ne pas trop prendre à coeur

- Beaucoup sont bienveillants

▲ wtracy 53 days ago [-]

Very cool. I've toyed in the past with the idea of making a bootable CD that launches a minimal Linux desktop with a PDF reader and a copy of my resume, but this is one better.

▲ xiaoxubeii 53 days ago [-]

Interesting idea.

▲ tbarbugli 53 days ago [-]

brilliant!

- Il faut tous les lires (dans la mesure du possible)
- Les haters se font basher.

▲ mrweasel 53 days ago [-]

It might be a fun project, but also kinda useless. If I where hiring and one of the applications was a virtual machine image or a boot-able CD, and nothing else, I won't even look at it.

There no way I'm booting some random operating system someone mail in or dropped of.

Of cause if you drop of the application and resume, along with your "operating resume", why would I look at it, when I already have a PDF or paper version?

    ▲ GoToRO 53 days ago [-]

    Perfect fit then: you wouldn't hire him and he wouldn't work for you.

        ▲ kkarakk 53 days ago [-]

        i wish he wouldn't comment about his inane proclivities and i couldn't read his comments either...

Régularité

...

ça finira par arriver

« Code is art »

« Il faut être créatif »

Alex Danvy

Publiez
Faites vous plaisir

Préparez-vous à des entretiens

:-)

Merci !!

Guillaume Sempé

Nicolas Fonrose

Sylvain Wallez

Sébastien Tonel

Julien Lavergne

Thibault Richard

Laurent Bombail

Sébastien Guilloux