

DAMIEN BUTY

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TRAINING

2016 : Koudetat online entrepreneurship & innovation training

2014 : **500 Startups Mexico** startups accelerator (as co-founder of **DINO**)

2005 : 2 year Computer Science degree with a specialty in *Application development*

2002 : 2 year university degree on *US and UK literature and civilization*

2000 : French High-school diploma with a specialty in *Literature and language*

French: native

English: 100 %

Spanish: 100 %

TECHNICAL EXPERTISE

Operations engineer : 7 months experience

- Server administration : Debian, CentOS, Ubuntu, Arch Linux
- Cloud computing : Google Cloud Platform, Amazon Web Services
- HTTP servers : Apache, nginx, basic servers in Python, JS, PHP
- Database administration : PostgreSQL, MySQL, MongoDB, Redis
- Containers : Docker
- Deployment automation : Jenkins, Ansible, Vault
- Proficient in shell and python

Full-stack web developer : 3 years experience

- Backend : NodeJS, Python, PHP (Propel, Symfony)
- Frontend : AngularJS, jQuery, RiotJS, VueJS
- Design : SaSS, Bootstrap, PureCSS, notions of Material Design
- Workflow : Git, Gulp

CCM Consultant : 7 years experience

- High impact projects for major banking and insurance clients
- Document workflow architecture consulting (production, distribution, acquisition, archival)
- Industrial printing and snail mail expertise
- Printing protocols : PostScript, PCL, AFP

Others :

- Publishing & graphics (Adobe InDesign, Scribus, Photoshop, GIMP, Inkscape)
- Audio and video editing (Cubase, Reaper, Vegas Pro)
- Homegrown rocket science (Kerbal Space Program)
- DIY tinkering on Raspberry PI

BULB SOFTWARE (LONDON)

Since July 2016

As part of the operations team, i helped grow the Bulbthings infrastructure from 30 to 300 Google Cloud instances. This included :

- Keeping the 2 main **PostgreSQL** servers humming at around 10k requests / second
- Dividing **deploy times** by 20 (**Jenkins**, **shell** scripts, smart pre-building strategies)
- Dividing individual customer **hosting costs** by 10
- Administration of 4 load-balanced **nginx** fronts
- Managing the **CI/CD** toolchain, with **Jenkins** pipelines, **selenium**, **chai/mocha**
- Assisting developers with **architecture advice** and technical support during design sprints.

I also led an effort to create a reproducible development environment using the following :

- **Vagrant** virtualization
- **Ansible** provisioning
- A dozen **Docker** containers to isolate shared services
- A custom-made operations server & **CLI** client to manage and orchestrate shared services inside the VM (**Node**, **RiotJS**, **Bash**)

CHAD WEB SERVICES (BORDEAUX)

January 2015 - July 2016

Owner and full-stack developer

Hestia : (for **ADMR**, a federation of non-profits, providing at-home services for the elderly)

- Custom-made Customers Relationships Management solution
- Frontend with **AngularJS** and **Bootstrap**
- Document production backend based on **NodeJS**, **Mustache** and **wkhtmltopdf**

SuiviChantier : (for **Groupe Demonchy**, a construction company)

- Real time inventory and manpower tracking solution
- Microscopic backend based on **Propel** and **Altorouter**
- Frontend with **AngularJS** and **PureCSS**

These projects are not publicly available, but private access to the GitHub repositories and / or demo decks can be arranged.

DINO (MEXICO)

October 2012 to June 2014

Co-founder and product developer

As a solo developer, I designed and developed **DINO**, a cloud based document archiving solution for small and medium businesses.

- **DINO** was handcrafted with ♥, leveraging a **jQuery** frontend, a pure **PHP** backend, and in the first versions a **Python** client (based on **wxWidgets**)
- Our customers documents were encrypted in **AES-256** and stored on **Amazon S3**
- We used **CUPS** black magic to build the « Print-to-DINO » feature (hosted virtual printer)
- We kept an eye on our metrics with **Google Analytics**, **Perfect Audience** and **Mixpanel**

***DINO** is now closed, but private access to the **GitHub** repository and / or a demo deck can be arranged.*

OTHERS

2008 to 2012

Customer Communication Management consultant

Before **DINO**, i worked as a consultant in the CCM market, providing architecture expertise and impact assessments to companies such as **Banque Populaire / Caisse d'Epargne**, **Xerox**, **Société Générale**, **Neopost**, **Natixis** and **SMA-BTP**.

I also developed and maintained systems using most of the industry's leading software : **HP Dialogue**, **Sefas OpenPrint**, **Streamweaver**, **Compuset**, **PlanetPress**...

My focus was on outbound mail automation, especially the following topics :

- Dynamic document composition
- Postage costs optimization
- Postal regulation compliance
- Operational security : integrity and integrality of legal and time-sensitive documents

PERSONAL PROJECTS

My projects can be consulted at <http://www.github.com/Dam-Buty>

RestQL (NodeJS) : simple **REST API** that sits on top of one or more SQL-like system(s). It has some nifty features like memory caching and automatic synchronization

<https://github.com/Dam-Buty/RestQL>

IdleSpace (javascript, 0 dependencies) : classic side-scrolling shoot'em up made with 100 % ASCII-art graphics. It is not incredibly fun, but it was a good occasion to write a DOM-based 2D game engine from scratch.

<https://github.com/Dam-Buty/idlespace>

<http://dam-buty.github.io/idlespace/>

Marble reader (AngularJS, Twitter & Youtube APIs, Sass) : a mashup of the various Twitter and Youtube accounts comprising the popular **Marble Hornets** horror web-series.

<https://github.com/Dam-Buty/marblereader>

<http://dam-buty.github.io/marblereader/www/>

Riddim (javascript) : Riddim is a very simple wrapper for the setTimeout and setInterval javascript functions. It is part of my contribution to the /r/incremental_games community.

<https://github.com/Dam-Buty/idlehands/tree/master/Riddim>

Barbara Bissey : A static website i designed to learn about **CSS3 animations and filters**.

<https://github.com/Dam-Buty/barbarabissey>

<http://dam-buty.github.io/barbarabissey/www/>

Testweather (AngularJS, Open Weather Map and SVG animations) : A simple weather app for a job interview.

<https://github.com/Dam-Buty/testweather>

<http://dam-buty.github.io/testweather/www/>