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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 litterature and civilization

2000 : French High-school diploma with a specialty in Litterature 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, ¡Query, 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)

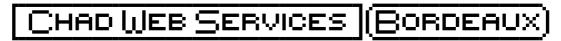
Since July 2016

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)



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.



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.



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
https://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/