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Summary

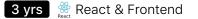
Fullstack Software Engineer with focus on clear problem understanding and sustainable code.





6 yrs 🥻 Ruby on Rails















Highlights



PubNative EMPLOYEE

Senior Software Engineer

Jun 2015 - Oct 2018 • 3 years, 5 months

- Owned the Ruby on Rails & Angular app in charge of running background jobs, serving the API for the client- facing UI, and serving the internal admin UI.
- Extended the high-throughput low-latency **Go** ad server.
- Managed the frontend team responsible for the client-facing UI and the company's ad-tag.
- Used AWS, Kubernetes, ElasticSearch, Kibana, TICK Stack, Grafana, Logstash, Nginx, HA Proxy, Docker, Bash.



Mercedes-Benz.io

FREELANCE

Admin UI from scratch with Rails

Oct 2019 - Dec 2019 • 3 months

Created the admin dashboard for the Bertha fueling app using Ruby on Rails, CSS BEM.

- Regular, incremental delivering of the features; finished ahead of schedule.
- Seamless integration in the existing infrastructure.
- Clarification and prioritisation of the need.
- Ease of maintenance with proper testing, standard patterns and no unnecessary dependency.



GoRetro

SIDE-PROJECT (2 People, Open-source)

React frontend development

Apr 2020 - Present • 2 months

Built the React frontend of GoRetro.

GoRetro is an open-source online sprint retrospective tool, implemented with Server Sent Event and

https://goretro.charleswautier.com/ (live) https://github.com/abustany/goretro (code)

More Experience

Enpal.

Enpal

FREELANCE

Flexible funnel questionnaire with Form Builders

Mar 2020 – Apr 2020 • 2 months

Made a funnel questionnaire posting to Salesforce that can be changed with no developer intervention, using a **Form Builder** as a service and **Ruby**.



elementr.

FREELANCE

Lightweight internal tools with AWS Lambda

Jan 2020 - Feb 2020 • 2 months

Bootstrapped the IT and built internal tools using **AWS Lambda**, **CloudForamtion**, **CloudWatch** and **Ruby**.



ghuser

SIDE-PROJECT (Contribution)

Node.js & GraphQL

Jan 2019 - Jan 2019 • 1 month

Augmented the **Node.js** codebase to increase the amount of profiles that can be served by leveraging GitHub's **GraphQL**.

https://ghuser.io/



AppLift EMPLOYEE

Ruby Developer

Dec 2014 - May 2015 • 6 months

- Extended the **Ruby on Rails** & **Angular** application with new features.
- Collaborated with Product to find the most straightforward solutions.
- Got enrolled in PubNative, an internal project that turned into a proper company.



Pavlov

SIDE-PROJECT (Personal Project)

Building a product end-to-end

Aug 2014 - Sep 2014 • 2 months

Pavlov is an online spaced-repetition service implemented with **Ruby on Rails** and **Bootstrap**.

Spaced repetition allows you to learn and maintain your knowledge and habits by testing yourself on an exponential-backoff time base.

Pavlov lets you format your content in a question/answer fashion and lets you know when the time has come to recollect something.

http://pavloff.herokuapp.com/



Tame.it

EMPLOYEE

Backend Web Developer

Jul 2013 – Sep 2014 • 1 year, 3 months

Tame is a web-app providing real-time analytics of one's Twitter feeds but also followers.

Together with the CTO, I extended the core Ruby on Rails application.



WordPress plugin development

Jan 2012 - Mar 2012 • 3 months

Set up the internet website, wrote a **WordPress** plugin to enable the winegrower to manage its public wine offer (PHP, JS, HTML, CSS).

http://domainedelarochepilee.fr

Education



Diplom-Informatiker

Karlsruhe Institute of Technology (KIT)

2010 - 2012

Courses

- Data Warehousing and Mining
- Information integration and Web-Portals
- Workflow management systems
- Cognitive Systems

Projects

- Diplom thesis Exploring collections in a semantic personal knowledge model Design and implementation of an extension to the Personal Information Management software iMapping. In order to allow the user to deal with more information, it provides with a new way of browsing and interacting with personal knowledge-map.
- SpeedMaths Solver for the (former) Facebook game SpeedMaths written in C++ and Qt.



Engineer Diploma

National School of Computer Science and Applied Mathematics of Grenoble 2007 – 2012

Top-ranked French engineering school recruiting from preparatory classes.

Courses

- Formal language theory, Algorithmic
- Logic, Operations research, Probabilities
- Software development & quality
- Networks, Database conception, Computer architecture
- Economy

Projects

- Implemented a compiler of a Java subset in Ada 95.
- Compared different parametrizations and clustering algorithms for automatic classification of a real life musical resource set.
- Implemented an editor for a subset of UML in Java as an exercise of Software analysis, design and validation.
- Used normalized processes to design a residence DB schema.
- Implemented a virtual basic processor in VHDL.
- Implemented a mini-pentium simulator in C language.
- Made a business-plan for a service of cultural recommendations and personal development.



Design and Visual Communications

Istituto Europeo di Design

2009 - 2010

Design, Communication and Art propaedeutic year.

Courses

- Cultural analysis
- Communication
- Art and Design history
- Creative projects
- Photography
- Modelistic
- Drawing
- Color theory

Achievements

- Produced a limited edition of a compact, lightweight hookah.
 Original idea, design, 3D modelisation, realisation of wood prototypes and silicone moulds.
- Co-designed the IED toolkit for running creative workshops still in use today, with the team led by José Corujeira.