Charles Wautier

Berlin, Germany

in linkedin.com/in/charles-wautier

@ contact@charleswautier.com

Summary

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

6 yrs 🔥 Ruby on Rails **3 yrs** ⚛ React & Frontend **1 yr** Go Go **3 yrs** aws AWS ⎈ Kubernetes

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 **Go**.

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

More Experience

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.

Domaine de la Roche Pilée
`SIDE-PROJECT`
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.