

Charles Wautier

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Summary

Freelance Fullstack Software Engineer currently into React. Striving for clear problem understanding and sustainable code. Ruby, Rails, Go, React, Angular, Kubernetes, AWS.

Experience



Frontend Engineer

GoRetro

Apr 2020 - Present (2 months +)

GoRetro is an open-source online retrospective tool developed as a side-project.

It's a 2 people project where I'm responsible for the frontend, built with React.

Live here goretro.apps.bustany.org

Code here <https://github.com/abustany/goretro>



Senior Software Engineer

Enpal GmbH

Mar 2020 - Apr 2020 (2 months)

Using Salesforce, a Form Builder as a Service and Ruby to make a funnel questionnaire that can be changed with no developer intervention.



Senior Software Engineer

Mercedes-Benz.io

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 code and no unnecessary technologies.



Senior Software Engineer

PubNative

Jun 2015 - Oct 2018 (3 years 5 months)

- Extended the high-throughput low-latency Go ad server.
- 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.
- Used AWS, Kubernetes, Elasticsearch, Kibana, TICK Stack, Grafana, Logstash, Nginx, HA Proxy, Docker, Bash.
- Managed the frontend team responsible for the client-facing UI and the company's ad-tag.



Ruby Developer

Applift

Dec 2014 - May 2015 (6 months)

AppLift is a mobile marketing platform founded by Hitfox Group in 2012.

- 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.



Backend Web Developer

Tame.it

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.



Web Developer

Domaine de la Roche Pilée

Jan 2012 - Mar 2012 (3 months)

Set up the internet website domainedelarochepilee.fr, wrote a Wordpress plugin to enable the winegrower to manage its public wine offer (PHP, JavaScript, HTML, CSS).



Software Engineer

Mandriva

Jul 2009 - Sep 2009 (3 months)

Augmented the K Desktop Environment (KDE) with semantic features.

Education



Karlsruhe Institute of Technology (KIT)

Diplom-Informatiker, Computer and Information Sciences

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.



National School of Computer Science and Applied Mathematics of Grenoble

Engineer Diploma, Computer and Information Sciences - Information Systems Engineering

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.



Istituto Europeo di Design

Design and Visual Communications

2009 - 2010

Design, Communication and Art propaedeutic year.

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

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.



Scientific preparatory classes (CPGE)

2005 - 2007

Intense study of mathematics, physics, chemistry and engineering science to prepare the national competitive exam for the enrolment in one of the french Grandes Écoles.

Skills

React.js • Ruby on Rails • Go (Programming Language) • Cloud Applications