Charles Wautier

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Summary

Ruby on Rails • React • Go • Kubernetes • AWS
Freelance Fullstack Software Engineer with focus on clear problem understanding and sustainable code.

Experience

Frontend Engineer (React)

GoRetro

Apr 2020 - Present (2 months +)
Built the React frontend of GoRetro – an open-source online retrospective tool – as part of a two-people project.

Try it: https://goretro.apps.bustany.org/
Code: https://github.com/abustany/goretro

Backend Engineer (Ruby)

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.

Fullstack Engineer (Ruby on Rails)

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 (Go, Ruby on Rails, Angular, AWS)

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 (Ruby)

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 (Ruby on Rails)

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 (PHP, JS, HTML, CSS)

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 (C++)

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 competitve exam for the enrolment in one of the french Grandes Écoles.

Skills

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