



Portfolio 2016

For cost reduction
in web development we
recommend

Sustainable
Development



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What we believe in

Choosing the Sustainable Way

We develop web applications (i.e. software running in web browsers)

Sustainable development implies a clean code structure,
a smart & reliable testing suite and precise comments

It results in evolutive software, built for the long term

Workshop



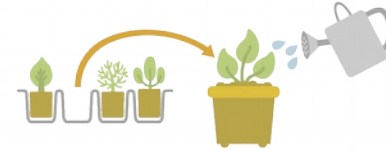
Let's define a clear vision of the final product, and decide on how to get there.

Agile Iteration



See your software grow and test it, iteration after iteration.

Planning & Prototyping



Evaluate and prototype the different ways to meet your requirements

Development



Everything will grow according to the plan, because we know our job.

Quality Assurance



Let experts make sure that your software is growing on healthy base.

Maintenance & Support



Long term care matters.
We also take that step over, or train you to do it.

More on www.devolute.org

Technologies We know, use and we recommend



Sinatra



ANGULARJS



More on www.devolute.org

Solutions What we do



Unique Web Applications

Customers and administrative accounts, database management, search engine, video encoding, payment.... Pick the features you need and shape your application the way it has to be.



Internal Business Applications

By being accessible from any Internet Navigator, you assure your internal software will be used without limitation from your employees. Get a software specifically tailored for your company.



eCommerce

Sell your products on the web with an online-store that reflects your company. We set up powerful stores whose content is easily managed by you and your team.



CMS Installations

Content Management Systems allow you to manage a website without development skills. After having customized our standard prototype to something reflecting your image, we give you all the keys to manage your website yourself.



Mobile Backend Solutions

We often work with Mobile applications team: they use our expertise with backend(Database, Server, Performance) and combine it with their ability to develop beautiful apps on the main platforms, like iOS and Android.



SaaS Based Applications

You can save weeks of development by delegating features of your service to external APIs. We help you choose the best APIs and quickly integrate them. We also develop APIs from existing applications.



Social Media Solutions

We provide a battle proof toolchain for many social media platforms to create custom applications without pain and with concentration on the features they need.

You need something special for your users, as a cornerstone of your offer ?

More on www.devolute.org

Plans Flexible Integration of Sustainable Development



To adapt to the diversity of our customers, we propose our services under various packages:



Full-care Partner

We take care of everything. We help you translate your needs in technical requirements and develop, test and deploy. We also make sure that you get the best deals with external partners.



Workforce

To reach a deadline or catch up with delay, our developers can jump in your project: they will become a strength for your team in no time, and are often valued for the additional knowledge they bring in.



Mentoring

We help team members to improve their skills on technologies or practices. We work with them on the issues of your company, with emphasis on learning so they can work without us in the future.



Advisor

With a meeting per week or month, we help you to put things in a perspective and to take the best decisions. A few hours of consulting can sometimes save several weeks of work.



Do you have a IT team ?

More on www.devolute.org



Our Projects

Education



PROFESSOR S.

LUDINC

In the complete digital rebuild of Ludinc's '**Professor S**' interactive learning platform for pupils, we took on the role of lead development and coaching together with our partner UpStream.

To match the complex needs of the software, which will be used by pupils, teachers and parents we developed a strongly distributed service-oriented architecture (communication via **REST-/JSON APIs**).

This architecture made use of a range of technologies including:

- Angular.js with **jasmine unit test** in the front-end
- several Rails 4.x back-ends (with **PostgreSQL** db)
- a custom live messaging architecture using **MongoDB**
- The pub-sub library Faye which allows users to upload, share and play images, sound and video messages across different clients of the platform

Our challenges

lead and train the In-House team
(consisting of junior Ruby on Rails and
Javascript developers)

- Defining standards and implementing a strict work-flow of automated testing (in both front-end and back-end)
- Peer reviews (using github pull requests)
- An agile project management flow based on Kanban involving a 10 headed team (designers, hardware engineers, product managers and developers)

Mobile Application



blipcard

Our Partner



[ANTWORT:INTERNET.]



The iOS Mobile Application Blipcard allows users to send physical postcards created directly from their phone. Our Job was the development and ongoing support for the Back-end/**JSON-Api** (built on **Rails 4**) consumed by the Mobile App.

Our challenges

- Setting up performance monitoring
- Implementation of different payment methods
- Moving heavy tasks like PDF Generation in the background using Resque and Redis

Mobile Application



blipcard

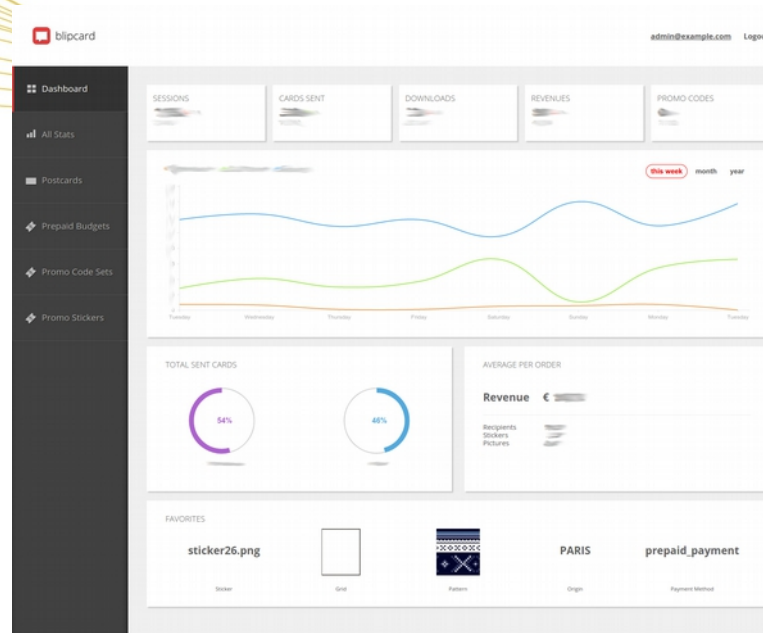
Our Partner



[ANTWORT:INTERNET.]

Dashboard

To analyze the use of the Blipcard app, we also built Blipcard Dashboard, a close-to real time Statistics interface with **intelligent aggregation** in **MongoDB**, asynchronously loading widgets and charts built with Angular.js and Chart.js



B2C Application Quabb®

Our Partner



[ANTWORT:INTERNET.]

Quabb has a unique solution to send physical letters over Internet, innovating through a sponsoring system which allows saving money on the price of the expeditions.

Backend was developed with Ruby on Rails, but we also worked with Javascript UI widgets and twitter Bootstrap as a CSS framework.

Moreover, we included a **Pdf generator**, a **text-recognition** system and the **address labels**. All of these features are running in the background via **Resque Jobs** to improve performance and thus the user experience. We also solved the problem of running **bulk text recognition** with a distributed system.

The screenshot shows the Quabb web interface for creating a letter. On the left, there is a navigation menu with sections: 'Versand' (Brief erstellen, Adressbuch), 'Kundenkonto' (Stammdaten, Passwort ändern, Guthaben aufladen, Transaktionen, Briefpapiere, Vorlagen verwalten), and 'Guthaben: 6,00 €'. The main content area is titled 'Geben Sie nun ihren Text ein' and shows a price of '0,99 €' with a 'Als Entwurf speichern' button. Below this, there are fields for 'Empfänger' (Martin Chambert-Loir, thaeerstr. 24, 14079 Berlin, Deutschland) and 'Absender' (John Smith, thaeerstr. 33, 10479 Berlin, Deutschland), each with an 'Ändern' button. The 'Inhalt' section features a rich text editor with a toolbar and a 'Zurück' button. On the right, there is a 'Briefpapier' section with a 'Bitte wählen' button.

Social Media Applications



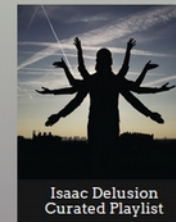
Our Partners



With Bureau Export and Institut Francais we've developed and designed a music app based on deezer.com called **Chic Schnack**. Using the deezer API, Chic Schnack lets its users to listen to musics and playlists related to French culture. The playlists can be shared in Facebook or added to the user library

Admin users can **add & edit** links, texts and album cover pictures in the different pages of the app (New releases, Artists & labels, Playlists) and easily **create** new playlists. We also built a **custom JQuery-based slider**: placed at the center of the home page, it allows users to quickly select among a selection of playlist.

Social Media Applications


[HOME](#)
[NEW RELEASES](#)
[ARTIST & LABEL PLAYLISTS](#)
[CHIC SCHNACK PLAYLISTS](#)
www.chic-schnack.org


NEW RELEASES

Was ist neu im Plattenregal?
Jede Woche hier für Euch die
besten Neueröffentlichungen...

ARTIST & LABEL PLAYLISTS

Mehr über spannende Künstler
und ihre Labels erfahren? Geht
auf Entdeckungstour mit
unseren exklusiven Playlists...

CHIC SCHNACK PLAYLISTS

Das Line-Up Eurer
Lieblingsfestivals und Konzerte
in Eurer Stadt durchstöbern?
Neue Playlists aus den Sparten
Indie, Club, World & Jazz
entdecken? Los geht's ...

Our Partner: **BANK™**
— GRAPHIC DESIGN TODAY

Online Shop

EXTRA
TAPETE

For the Wallpapers' designer Extratapete, we developed a Ruby on Rails Online-shop based on Spreecommerce, in which we implemented the unique design of the Berlin Agency BANK.

To emphasize the visuals of the products, we built a custom **full-screen image slider** : visitors can choose to display a product as the background of the page, and use the arrows on the left and right sides of the screen to navigate between products.

We also integrated:

The Paypal Payment feature

The possibility to switch from German to English version

Product suggestions based on visitor's path on the website

The Possibility to display different variations of the same product (colors and shapes)

Intranet Application



A scientific research center of Germany is using a complex Intranet to manage its organization, its members and the members of cooperating institutes.

This intranet allows its users to conduct various actions, regulated by the **authorizations** related to the different **user roles** (normal user, active user, admin user, IT user etc.).

We undertook the Upgrade of Ruby on Rails for this intranet, from Rails 2 with Ruby 1.8.7 to Rails 4.1.7 with Ruby 2.1 :

- Modernized the test suite (introducing Capybara Integration Test)
- Rewrote the controllers in a RESTful fashion
- Replaced the libraries that were outdated, the old auto-complete system by Select2 and the former (and unsupported) query DSL by Arel
- Carefully introduced HTML safe strings
- Reverse-engineered the user-stories for the entire application
- Reviewed the whole code with unit-tests (capybara).

Business Application

For the relaunch of their corporate website and in order to benefit from the customization features of the CMS **Scrivito** (from Infopark), the web-team of Fraunhofer Fokus needed an introduction to Ruby on Rails.

We spent several days with them, **Pair-programming** together so that they can now work without us on their future's challenges.

Following our 'learning by doing' philosophy, we settled up together the following features and enhancements:

Subdivision of the website in 11 Competence Centers with their own layout and content

Events can be promoted via teasers or specific and independent sub-domains

Every page can easily be translated in any language, and accessed via button or URL

Contact form integration on any page, with an easy-to-use interface to define the fields of the form

Search Engine and filters for the articles of the website (Projects, News, Events etc.)

Thanks to Rails Connector and to a rails app we built ourselves, we also **imported most of the data** from the previous website in a short time.

Social Media Applications



Our Partner



For Asus DJ Challenge powered by Intel we built another contest App on Facebook where users could upload remixes to soundcloud and rate them

Case STUDY PANORAMA3000

Social Media Applications



Our Partner



For Warner Brothers we created a Facebook App with a contest where the winner could get a meet and greet with one of the actors.

It involves a nice workflow for setting up the contest logic via CSV-Import and some nice UI behavior

Social Media Applications



Our Partners



Together with our partner PANORAMA3000 we created a merchandise Facebook game for the campaign Emmi CAFFÈ LATTE

Case Study [PANORAMA3000](#)

Social Media Applications

Our Partner



For the Google initiated association Internet & Gesellschaft Co:laboratory we've created an election app for the parliamentary elections in 2013 called the Co:Lab Netz-Radar, a guide for citizens of the election program in terms of net politics. This app is published under an open source license available on [github](#).

Internet & Gesellschaft
<Co:laboratory> Netz-Radar

Für eine klarere Gewichtung, unterstreichen Sie Ihre bisherige Auswahl und markieren Sie nochmals bis zu 3 Statements, die Ihnen besonders wichtig sind.

- Zensur und Netzpernen müssen verhindert und die Privatisierung der Rechtsdurchsetzung im Netz gestoppt werden.
- Überwachung von Telekommunikation darf in engen gesetzlichen Grenzen, in verhältnismäßigem Umfang und mit klaren Rechtsschutzmöglichkeiten erfolgen.
- Ein effektiver Datenschutz besitzt ein hohes Schutzniveau und sorgt für einen wirksamen Rechtsschutz.
- Ein Interessenausgleich zwischen UrheberInnen und NutzerInnen muss die kulturellen und ökonomischen Rahmenbedingungen der Kultur- und Kreativwirtschaft gewährleisten.
- Durch eine Deckelung der Abmahngebühren wird Rechtssicherheit gegen Abmahnmissbrauch garantiert.
- Das Leistungsschutzrecht für Presseverlage stellt kein zeitgemäßes Instrument im Urheberrecht für Presseverlage müssen anders geschützt werden.
- Die Sicherung der Netzneutralität ist eine wichtige infrastrukturelle Aufgabe, die nicht der Steuerung durch den Markt überlassen bleiben darf.
- Der Zugang zum Internet ist Teil der Daseinsvorsorge, weshalb der Breitbandinternetzugang über einen verpflichtenden Universaldienst mit 0 Mbit/s garantiert werden muss.
- Um mehr Rechtssicherheit für WLAN-Betreiber zu schaffen muss die Betreiberhaftung geändert werden, was allerdings nicht die Abschaffung der Siberhaltung bedeutet.
- Es müssen die geeigneten sozialen Bedingungen geschaffen werden, damit neue Formen der

Internet & Gesellschaft
<Co:laboratory> Netz-Radar

Ihr Ergebnis

FDP: 40%

Die FDP unterscheidet sich von den anderen Parteien vor allem aufgrund ihrer zurückhaltenden Positionen staatlichen Eingriffen, Netzneutralität und Netzneutralität sind für die Liberalen zwar wichtig, aber müssen nicht zwingend durch Gesetze reguliert werden. Beim Datenschutz möchte die FDP die Kompetenzen ins Justizministerium verschieben, Vorratsdatenspeicherung soll nicht ohne Anlass erfolgen und das Urheberrecht nur sehr moderat und punktuell reformiert werden. Mehr Open-Prinzipien werden kaum gefordert, eher Eigenverantwortung von staatlichen Stellen im Umgang mit Daten und Zugang. Beim Thema Medienkompetenz setzt die FDP hingegen auf ähnlich weitreichende Forderungen wie die Linke und die Grünen. [Zum Wahlprogramm](#)

Die Linke:	20%
SPD:	20%
CDU/CSU:	10%
Grüne:	10%

Startseite ? FAQ Impressum

Internet & Gesellschaft
<Co:laboratory> Netz-Radar

Wählen Sie pro Karte die These aus, der Sie am meisten zustimmen.

DATENSCHUTZ

#1

- Zensur und Netzpernen müssen verhindert und die Privatisierung der Rechtsdurchsetzung im Netz gestoppt werden.
- Dem Aufbau von Sperr- oder Zensurinfrastrukturen muss entgegen getreten werden.
- Unverhältnismäßige Forderungen nach Überwachung und Zensur des Internetverkehrs zur Durchsetzung wirtschaftlicher Interessen müssen verhindert werden.
- Der Staat muss persönliche Kommunikationsdaten der Menschen schützen und Schutzlücken bei Strafverfolgung und Gefahrenabwehr verhindern.

← Zurück 1 / 14 Später beantworten →

Startseite ? FAQ Impressum

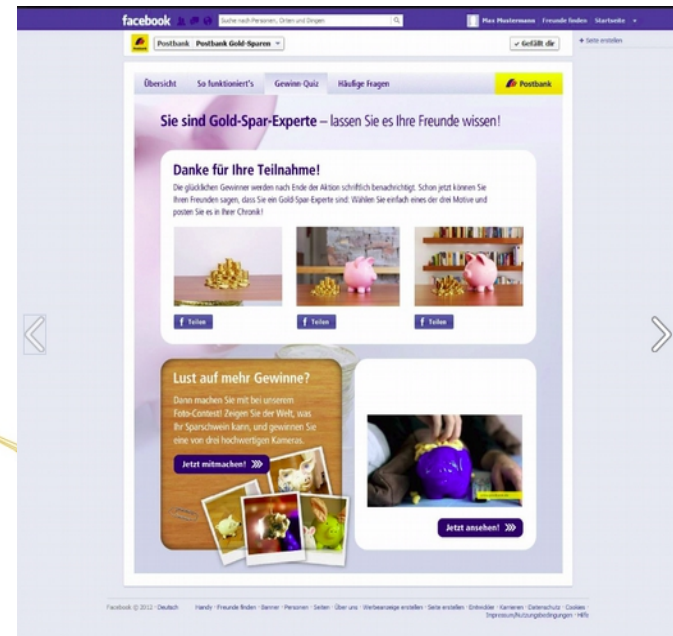
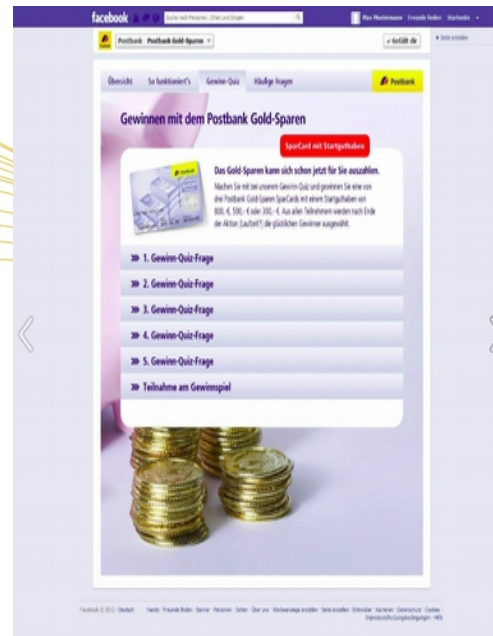
Social Media Applications



Our Partner



Together with our partner PANORAMA3000 we created a photo contest and a quiz for the Postbank.



Social Media Applications

DIE WELT

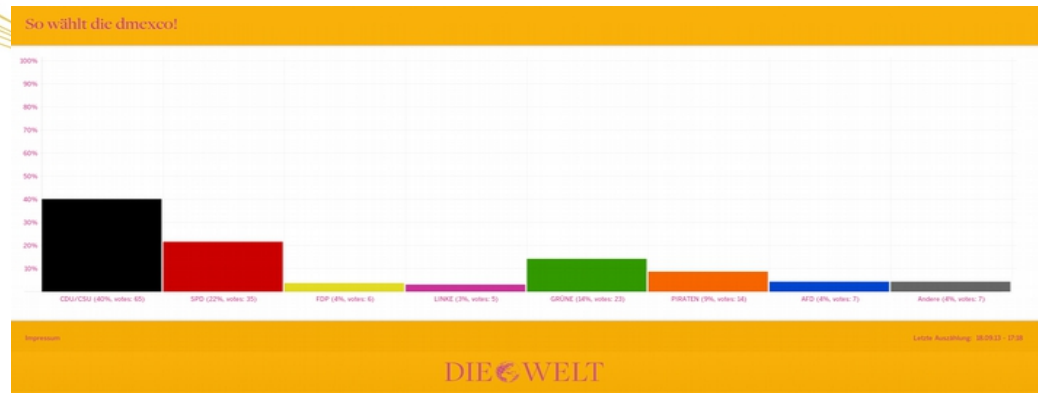
For the online magazine DIE WELT we've created a election survey with a live updating chart of the election results. Visitors of the trade fair dmexco could vote a party before the official parliamentary elections in 2013. Visitors could also see the results live on their mobile devices (very important for digital natives).

Am Wochenende ist Bundestagswahl. DIE WELT möchte wissen, wie die digitale Branche wählen wird. Machen Sie mit bei der WELT-Wahl auf der dmexco und geben Sie hier Ihre Stimme ab!

CDU	SPD
FDP	Die Linke
Grüne/Bündnis 90	Piraten Partei
Alternative für Deutschland	Andere

Wähle eine Partei.

DIE WELT



Business Application *mp*

For moviepilot.com we developed a stand-alone editorial system, strictly displaying the internal workflow, from researching ideas for articles, over review by chief editors, up to social media propagation (Facebook API) after the article was published.

The system is based on Ruby onRails, using RabbitMQ to communicate with the moviepilot.com backend, providing a customized markdown editor with live preview, autosave and many more useful features.

Business Application

Our Partners



Internet Marketing GmbH

Together with our partner Jabz we support a large electronics company in the front-end as well as backend development for a ruby on rails implemented CMS. We created new features like a custom-CMS supported microsite and the implementation of a review system.

Technologies we used: rails, backbone.js, jquery, css / html5



Business Application

TEXT provider

For text provider we developed an electronic editor which gives the authors live quality feedbacks in terms of syntax and semantic style requirements e.g. identification and marker for modal verbs, clauses, anglicisms and statistic data.

We developed a parser for natural languages and used the python framework NLTK. UI made in Javascript using WYSIWYG editor like TinyMCE & Mercury.

Business Application

The logo for Beam, featuring the word "Beam" in a red, cursive script font.

Our Partners



Together with our Partner PANORAMA3000 we created a custom CRM system for managing contacts, bar locations and employees for Beam Germany, one of the leading spirits companies.

Business Application

Our Partners



For bildungscent e.V. we developed a custom platform that will allow around 500 schools to organize and communicate climate projects.

We covered all basic needs of project management, from organizing in different groups, assigning tasks and scheduling meetings - all of that in a very personal look and feel, to support connections between pupils across projects.

Pupils in each project can publish content to the public part of the websites, which provides an accessible overview of all the ongoing projects, and the people behind it.

Business Application

Our Partners



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Business Application



Our Partners



Together with our partner Tethr we developed a CRM for solar panel shipping in developing countries for the solar energy supplier One Degree Solar who has the desire to build an industry leading sales and support network using mobile phones while building customer databases and two-way contact with end-users even in areas without a full coverage of internet.

Business Application



Our Partners



Together with our partner Tethr supported by F.A.T. we developed a helpline with interactive voice response with Tropo and Ruby, a powerful yet simple API that adds Voice and SMS support to the programming languages you already know.

www.fat-net.org


Mobile Applications

Our Partners



Together with our partner live-line we build a social event calendar, including a native iPhone app based on PhoneGap and Backbone.js for KweekWeek, a new app for discovering local activities and events suggested in real-time.

Mobile Applications

Collonil

Our Partners



On collonil-organic.de runs an iPad optimized microsite for product introduction.



iPhone-App

Kunde
Collonil



Alles was Sie schon immer zum Thema Schuhpflege wissen wollten - ergänzt durch die technischen Möglichkeiten des iPhones. Mit der App kommuniziert Collonil nicht nur Kompetenz für Lederpflege, sondern auch Lifestyle und Innovationskraft.

API Based Web Applications



Our Partners



We aggregate several Google APIs to create a beautiful website. Therefore with our partner adap:to and PANORAMA3000 we implemented a stack of high end caching and parsing technology, that made this task easy and acts like a real CMS.



www.collaboratory.de

API Based Web Applications



With fortiusone we integrated the GeoIQ API to support the combining of GeoCommons Maps and Open Data with social sharing and collaboration.

API Based Web Applications

Our Partners



Together with New Dialogues and the Charite Berlin we developed an interactive animated tag cloud for visualization of terms and relations and used a Javascript implementation with a special algorithm for a flexible dynamic positioning of tags in a cluster structure that other tag clouds usually don't provide.

API Based Web Applications

Sauercrowd

Our Partners



For their SEO-crowdsourcing tool Sauercrowd we provided consulting and support the team rewriting and refactoring of the backend as well as the front-end, especially of campaign editors.

API Based Web Applications



Doonited was bootstrapped by us and the first project we created with our rock solid prototyping tool kit. The cool design of Doonited's artist made this work fun. The application runs on Heroku and uses various modern techniques.



www.doonited.com

API Based Web Applications



For the startup Digitale Seiten we support the CTO. We were mainly responsible for the code architecture and in permanent technical knowledge exchange with the CTO and the development team for the existing software of the Digitale Seiten platform. Additional we support the team with front-end development.



www.digitalseiten.de

API Based Web Applications



Twotickets is a python based platform, where we supported the existing team and helped with creating a rather difficult search with Apache Solr.



www.twotickets.de

API Based Web Applications



Friendticker asked us to create a very lightweight service oriented architecture as a prototype for scaling purposes. We made our choices and it is really lightweight.



www.friendticker.com

API Based Web Applications

**helpster****pointoo**

die lokale suche für deutschland

Our Partners

makandra >

We support Helpster and Pointoo creating the applications for their backend processes.



www.helpster.de

www.pointoo.de

API Based Web Applications



Our Partners



meandyou.com (the revolution in online dating) gave us the chance to help them with their - both technologically and functionally - innovative rails stack. We also helped them to get their app running in legacy browsers.



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