

Javier Ramirez

Full-stack software engineer

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 rameerez.com

Full-stack web engineer with **5+ years** of experience delivering projects from idea to production.

I'm fluent in many major languages and frameworks, but my go-to stack is **Rails + Postgres + Javascript** (vanilla or **React**). I also love (and do) design.

I've built products in complex environments, both as the CTO of a startup as well as for clients. I've also built products for myself, used by thousands around the world and getting featured in the media.



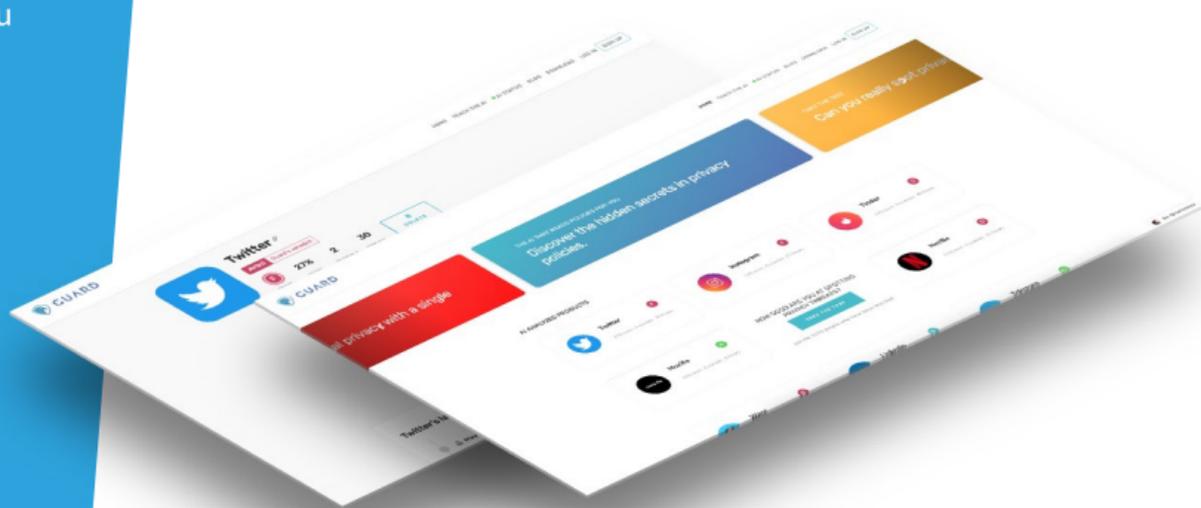
Guard

An AI that reads privacy policies for you

🌐 useguard.com

- Full-stack project involving API design, microservices architecture and frontend.
- Most web logic in Ruby (Rails)
- Data Science in Python (Pandas, Numpy, Jupyter...)
- AI recurrent neural network in Python (fastai, Pytorch). Exposed through an internal API via Flask.
- Deep learning training in AWS instances. Some infrastructure also in AWS.

Guard is an AI that reads and analyzes privacy policies automatically to detect potential privacy threats. It got featured worldwide in multiple media, top #1 of HackerNews for a day and got input from dozens of thousands of users.



MAIN TECH USED

JS jQuery RAILS PostgreSQL AWS python PyTorch

MAD Rides

Interactive in-browser visualization of 100k+ bike rides

madrides.in github.com/rameerez/bicimad-data-analysis

- Full-stack project (API, frontend, data science)
- Extensive use of geospatial data using PostGIS, made interactive using D3 and Leaflet.
- Developed a novel SVG path animation to achieve a fading ghost trail effect.
- Runner-up in the IEEE 2018 Cityvis competition, research category.

A personal project with architect Fabio Galicia. After asking Madrid's government to open their public bike system data and getting one of the first previews to it, we managed to navigate the complexity of the GeoJSON data to make the visualization, extract knowledge and suggest them data format and security improvements.



MAIN TECH USED

[JS](#) [D3](#) [jQuery](#) [Leaflet](#) [RRILS](#) [PostgreSQL](#) [PostGIS](#) [python](#)

Decidr

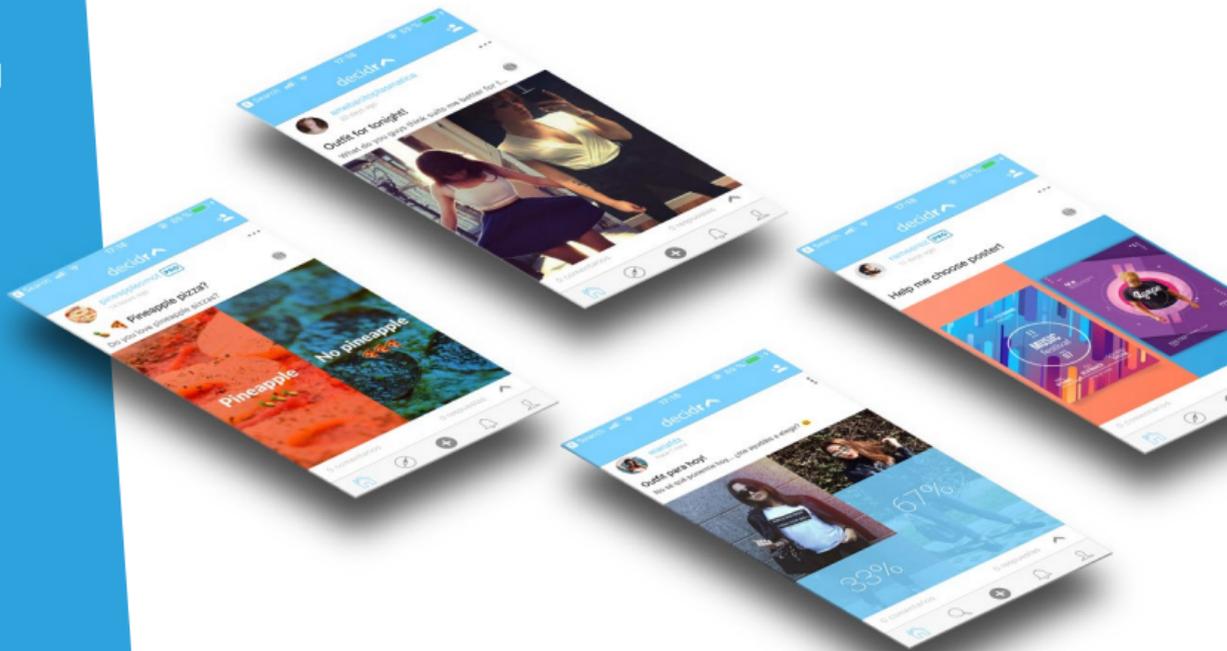
Hybrid mobile app + chatbot + backend

getdecidr.com

- Full-stack project (API, mobile apps, bot...)
- API is secured & token authenticated on every call (user session handling, etc.)
- Typescript for the frontend.
- Hybrid Ionic Android + iOS apps.
- Fully-featured Telegram bot.
- Backend stores & handles all assets in AWS S3 buckets, generating custom image previews for every new object.

Decidr is a mobile app and Telegram chatbot that allows users to create visual 2-option polls and share them in seconds.

I won an entrepreneurship prize at ETH Zürich with this project while I was studying abroad in my Erasmus semester.



MAIN TECH USED

TypeScript   PostgreSQL 

Hirefit

Data analytics for finding perfect candidate-company fits

🌐 hirefit.io

- Full-stack project.
- Angular frontend.
- Rails API backend.

Startup that developed technology to assess, measure and predict the cultural fit of candidates within an organization. I served as the CTO and tech lead of a 3-person team, designing and developing the full-stack project from scratch to market.



MAIN TECH USED



Krowspot

Find cafes to work from

 krowspot.com

- Full-stack project.
- React frontend.
- Rails backend.
- Makes use of the Google Maps API.

Personal project with developer Borja Leiva.

Users can contribute interesting spots such as cafes, libraries or hotels that other digital nomads can use to work from.

This project was made in a 48-hour challenge over the course of a weekend and livestreamed via Twitch.



MAIN TECH USED



The Pixel Challenge

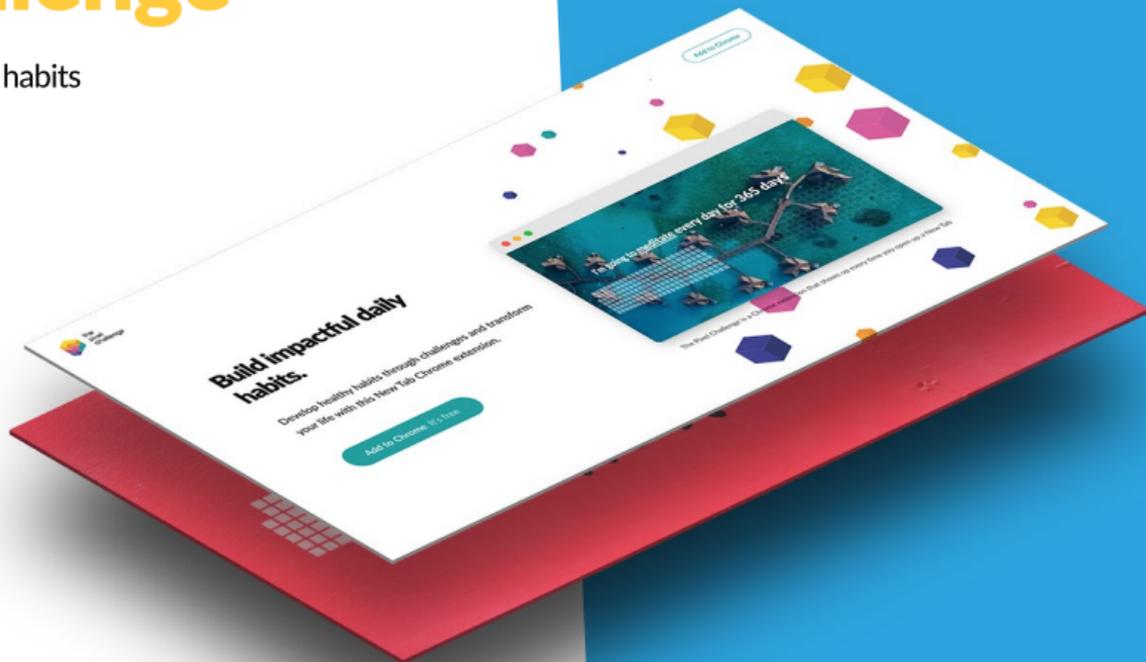
Chrome extension to help build long-lasting habits

 thepixelchallenge.com

- Full-stack project.
- React JS Chrome extension (frontend)
- Rails backend.

This Chrome extension substitutes your new tab screen with a Github-like calendar made up of “pixels”.

Each pixel represents a day. Popping / checking each day provides a very satisfying feeling, that combined with streaks and the fact that the user sees the progress on every tab open, compels to the maintenance of the habit.



MAIN TECH USED



Wakefy

Turn your Mac into a Spotify alarm clock

 wakefy.com

- Hybrid macOS app.
- Programmed mostly in Javascript.
- Makes use of the Spotify API.
- Makes extensive use of Bash scripting and OS tools (such as cron or pmset)

Wakefy is an ElectronJS app I made to wake up to my favorite Spotify tunes by turning my Macbook into a Spotify alarm clock. It got initial traction between my friends so I released it publicly – it now has been downloaded close to 100k times, and is used in many countries around the world. I still use it as my default alarm every single morning. Bonus backstory: I designed and coded the initial version in just 3 days as a public challenge I covered on Instagram.



MAIN TECH USED

  ELECTRON  webpack

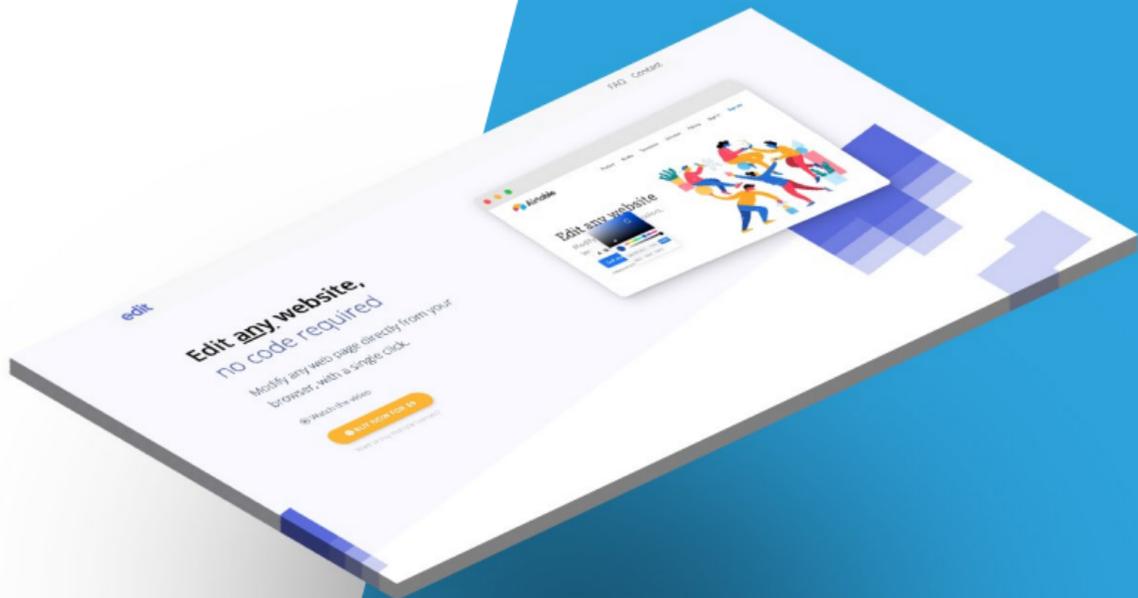
Edit

Edit any website, no code required

 goedit.me

- Chrome extension.
- Fully programmed in vanilla JS.
- Makes extensive use of event detection & handling.
- High performant, the most complex operation takes only 10s of ms, unnoticeable for the user

Edit is a Chrome extension that allows users to modify any website directly from the browser with a single click. It turns the current website content fully editable.



MAIN TECH USED



Hustl

Record awesome time-lapses of your Mac screen

 gohustl.co

- Electron macOS app.
- Mostly Javascript.
- Makes use of ffmpeg and other SO libs.

Hustl is a Mac app that records time-lapses of your screen in a few clicks, without the need of editing and speeding up the video.

One interesting thing about Hustl is that it's very light on the CPU and barely consumes any resources: instead of continuously recording a full-resolution video and then speeding it up, it takes screenshots every few seconds and then builds a video from those, saving GBs in disk space and hours of CPU in exporting time.



MAIN TECH USED

JS



ELECTRON



webpack



php



MySQL

BMI Bootcamp

14-week bootcamp course on AI + BMI (ongoing beta)

 github.com/rameerez/brain-computer-interfacing

- Currently co-leading this beta program.
- Goal: to create an open-source hands-on BMI course to democratize access to brain-machine interfacing.
- Partnership with Bitbrain to explore projects at the intersection of AI and BMI.
- Using a medical-grade EEG headset.
- Starting from the basics (signal processing, artifact removal...)
- Focusing on motor imagery to move objects.

This project is being developed under the context of Saturdays.AI, a global initiative to democratize access to AI through 14-week bootcamps.

MAIN TECH USED

