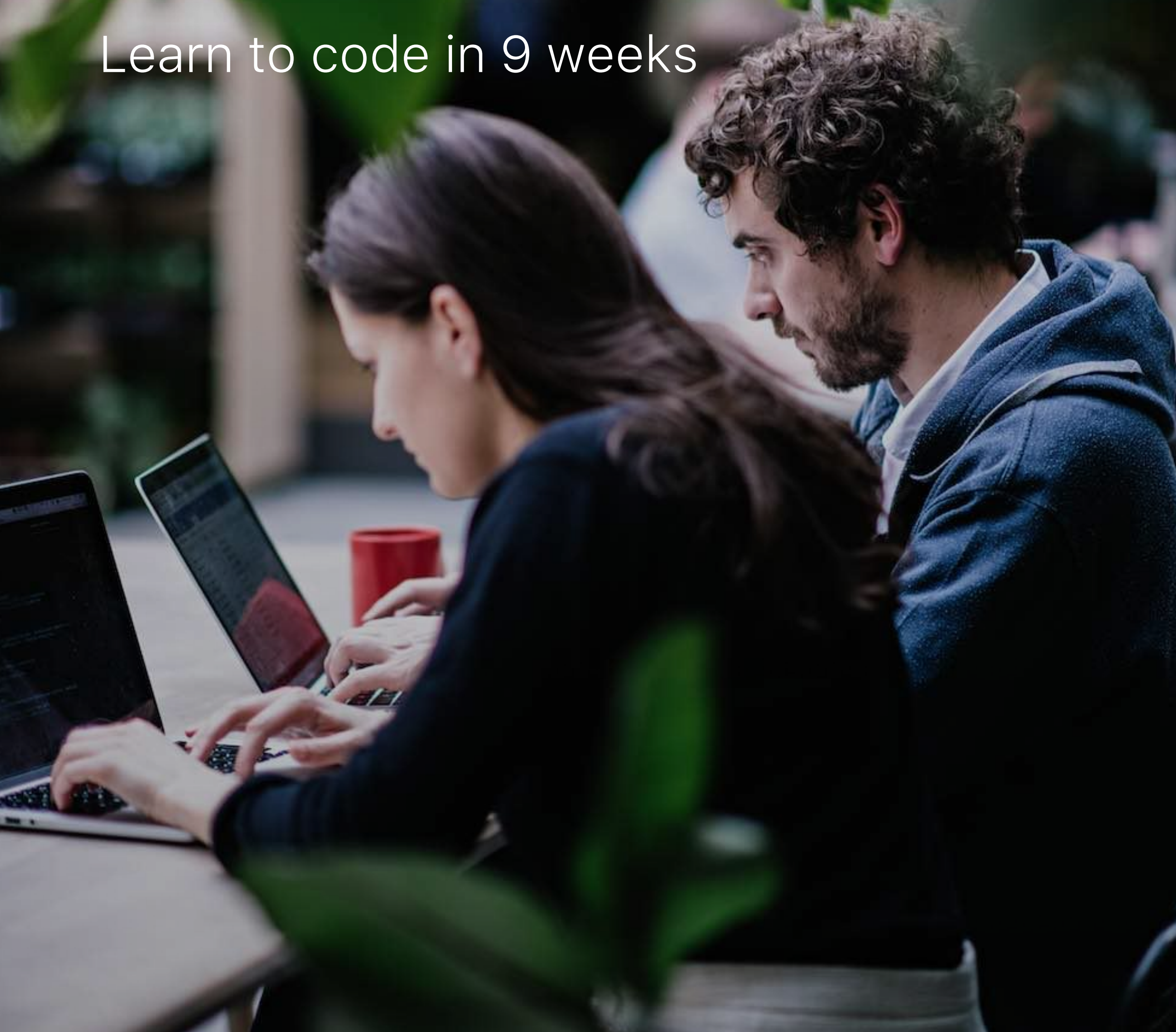


The Fullstack program.

Learn to code in 9 weeks



le wagon

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Overview

Product **first.**

Le Wagon is a very product-driven program teaching the core concepts of programming and web development. During the course, our students learn how to build robust and beautiful web applications by themselves, collaborate within a team of developers and adopt the technical workflow followed by successful startups.

Think like a **developer.**

Aside from technical skills, our students also learn how to think and solve problems like a developer by breaking complex problems into smaller ones. By the end of the course, they are able to learn a new programming language or framework by themselves, which is extremely important in the fast-paced environment of web-development.

A lifetime **community.**

After the bootcamp, our students are granted lifetime access to our online platform with up-to-date videos and tutorials about the latest tools and best practices of software development. They also become members of our highly-engaged community and network of international talents and teachers who keep helping each other and sharing opportunities on a daily basis.

Successful graduates.

More than 3,700 alumni have graduated from Le Wagon. Many of our graduates have joined tech companies as developers or product managers. A lot of them also have started a career as freelancers or launched startups, with the most successful raising \$7M.



What you will **learn.**

We've been teaching people how to code since 2013 and are committed to excellence. In 9 weeks, you will be able to:

- ✓ Understand the core concepts of object-oriented programming
- ✓ Structure your software following design patterns like MVC
- ✓ Integrate a 3rd party service using an API or scrape HTML data
- ✓ Design a relational database and build queries with SQL
- ✓ Build your UI (User Interface) following atomic design framework
- ✓ Code a CSS library using recent techniques like flexbox or CSS grid
- ✓ Learn ES6 (last version of Javascript) as a second programming language
- ✓ Adopt the right technical workflow: design your wireframe & mockup, test your UX with a prototype, split your user stories across your team and collaborate with branch and pull requests with git and Github
- ✓ Discover TDD (Test Driven Development) and learn how to cover your application's code with unit tests



Best coding bootcamp on SwitchUp

Le Wagon has been ranked as the No.1 coding bootcamp in the world on Switchup in both 2017 and 2018 with 700+ student reviews.

Our **Product** mindset

We've helped our 3,700 graduates build more than 900 products. For our students, being a great developer is not just about code but also about mastering all the skills involved in building a tech product:

- ✓ Engineering skills to design your database and your software
- ✓ UX Design skills to build features your users actually want
- ✓ UI Design Skills to make your interface intuitive
- ✓ Graphic Design skills to design a great-looking product
- ✓ Analytics skills to keep track of your users' behaviour
- ✓ Collaboration skills to work in a tech team with the correct workflow



Best coding bootcamp on Coursereport

Le Wagon has been ranked as the No.1 coding bootcamp in the world on Coursereport in both 2017 and 2018 with 700+ student reviews.

Our Alumni.

Learning how to code tech products can lead to different paths. After Le Wagon, our 3,700+ alumni have :

- ✓ Become fullstack developers, software engineers or product managers for some of the world's best tech companies (Google, Uber, Blablacar, Algolia, Trainline, etc...)
- ✓ Kickstarted their career as freelance web developers working from wherever they want, and finding new opportunities through Le Wagon's network and 32 worldwide campuses.
- ✓ Validated their ideas by coding their first MVP as entrepreneurs, founded their companies, and raised money to accelerate their growth.

The curriculum at Le Wagon is really first class. They've found a way to teach you all of the important practical skills you'll need to make a web application, while cutting out unnecessary concepts.

Aoife McDaid
Software engineer, **Algolia**



Meet our Alumni.

They became fullstack developers, product managers, tech freelancers.



Christos Dimitroulas

Fullstack Developer, **Headstart**

Christos joined a YC S17 startup as fullstack developer where he is now programming with Node.js. Thanks to our course, he had no issues switching from ruby to javascript!



Gregoire Charles

Product Manager, **Talent.io**

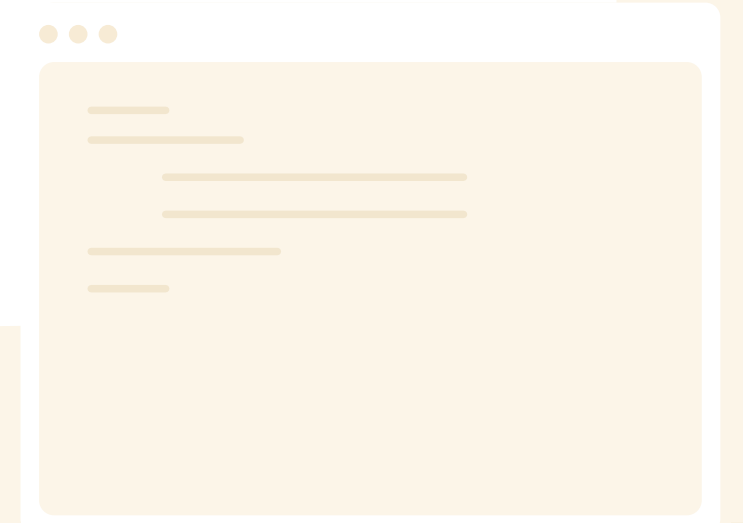
Gregoire learned programming to be a better Product Manager and work more efficiently with developers, understanding their tech workflow.



Lola Barbier

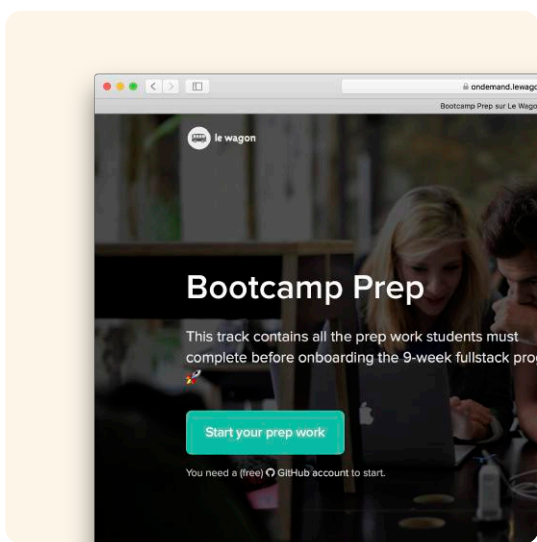
Freelance Web Developer

From copywriter to web developer, Lola now works on various freelance projects. She always helps her clients define what they want first before jumping into the code!



Detailed Curriculum.

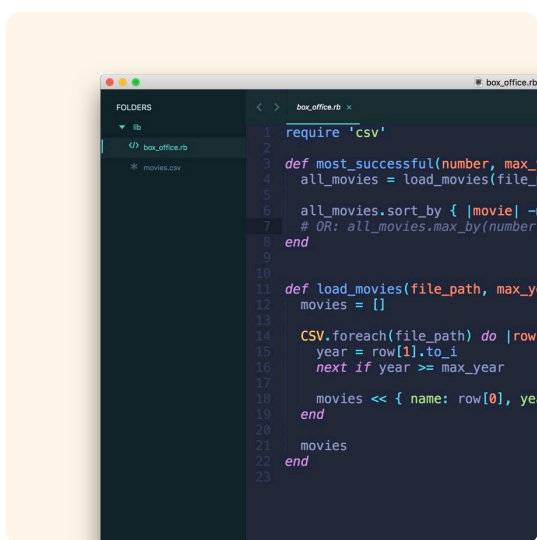
Our bootcamp is structured in 3 core phases. Our students also have to complete some preparation work to make sure they are ready for the 9 week bootcamp.



Phase 0 - Prepwork

~40h of work

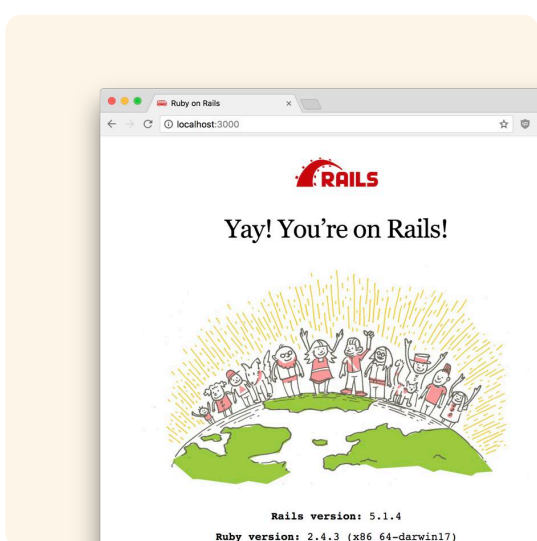
Get up to speed for the FullStack program.



Phase 1 - Foundations

3.5 weeks

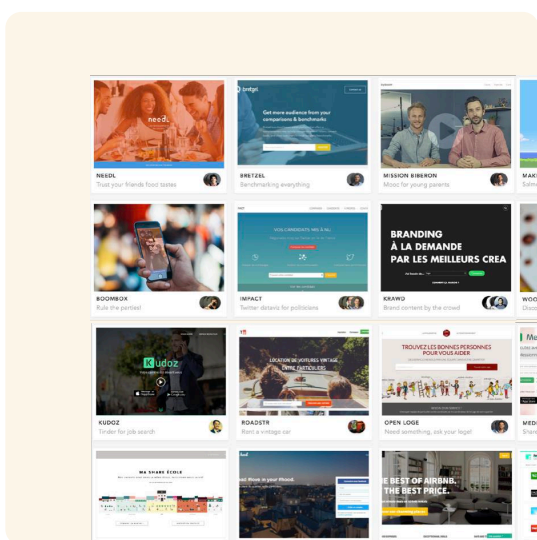
Learn the core concepts of programming, software architecture and relational databases.



Phase 2 - Web Development

3.5 weeks

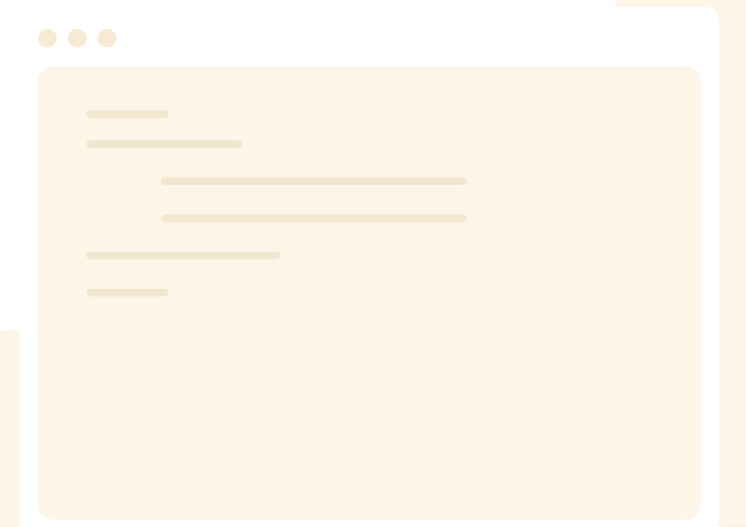
Learn UI Design, front-end development and code your web applications with Ruby on Rails.



Phase 3 - Final Projects

2 weeks

Invent, design, code, deploy and pitch personal projects in teams.



Phase 0 - **Prepwork.**

(~40 hours of work)

Get ready to start the bootcamp.

The FullStack program is very intense. To save time and nail it from the beginning, our students must complete the prepwork on our custom-built platform before starting the bootcamp. This work takes 30 to 40 hours and gives them basic knowledge of:

Web 101, how the web works

Terminal basic commands

Git basic commands

HTML / CSS foundations

Javascript foundations

General knowledge about tech workflows in a startup

Prepwork enables our students to understand basic notions beforehand, through a clear introductory course. It facilitates the learning process for when we cover these concepts in detail during the program.

They focus on teaching you the core skills you need to learn to code so that you can continue to learn quickly and effectively after the course. It really gave me strong foundations to apply for tech jobs.

Rafael Millán

Backend developer, **Trainline**



Phase 1 - **Foundations**

(3.5 weeks)

Learn the core concepts of programming, software architecture and relational databases.

>_ **Developer setup - 1st day**

Install a professional developer's environment and be ready to nail it for the 9 weeks

Command line basics

Navigating a file system (create, update, delete files/folders)

Install Ruby and a Version Management tool

Must-have developer's packages

Version control with git / Commit and push on Github

◆ **Programming basics - 1 week**

Write algorithms manipulating variables, loops, conditions and data structures like Array and Hash. Parse and store data from standards files (CSV, JSON, XML, HTML).

Core concepts of programming

Ruby doc for built-in classes

Algorithms & data structures (Array, Hash)

Text pattern detection with Regular Expressions

Parse and store data from standardized files (JSON, CSV, XML)

Web scraping with Nokogiri

Request and parse data from RESTful JSON APIs



Software Architecture - 1.5 weeks

Structure your code with different classes following Object-Oriented principles. To an architect designing a building, a developer must respect patterns when designing a software.

Core concepts of Object-Oriented programming

Classes, objects and instance variables

Instance and class methods, Inheritance

Public vs. Private Interfaces

Routing users' requests

Simulating a database with CSV files

In-depth understanding of MVC (Model View Controller)

Relational Database, SQL & ORM - 1 week

Any software needs to store information in a database. Without a database, Facebook would not persist users' data. Learn to design a relational database and build structured queries to your database with SQL.

Database Schema Design & SQL

One-to-many, many-to-many relations and join table

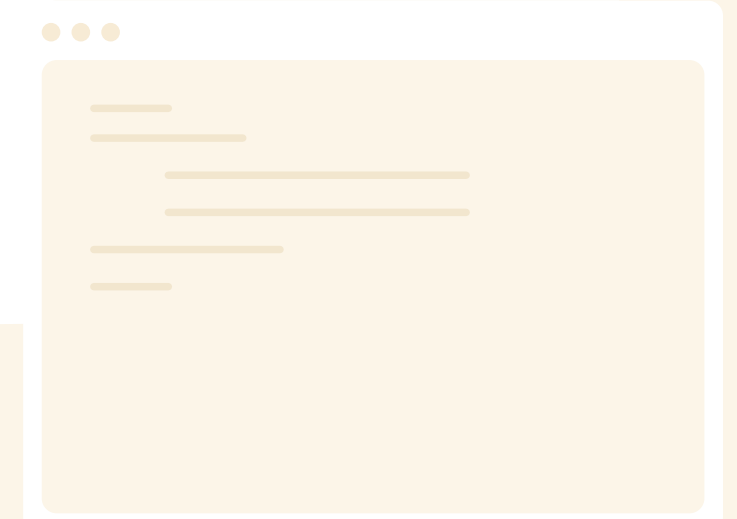
CRUD in SQL (Create, Read, Update, Delete)

Advanced JOIN queries

Connecting your DB to ruby with an ORM (Object Relational Mapping)

Active Record Basics: migrations & naming convention

Active Record Advanced: associations & validation



Phase 2 - **Web Development**

(3.5 weeks)

Learn UI Design, front-end development and code your web applications with Ruby on Rails.

Building web interfaces

Elaborate your UI with atomic design and code beautiful components & layouts by applying the latest CSS techniques.

Product Design, UX & UI principles

HTML basics

CSS (selectors, properties, stylesheets' organization)

Atomic design principles

CSS techniques with flexbox & CSS grid

CSS media queries for Adaptive Design

Bootstrap basics & Responsive Grid System

ES6, the latest Javascript version

Learn ES6, your second programming language after ruby, to add dynamic behaviors to your website or update pages without reloading thanks to AJAX.

JavaScript fundamentals

ES6 and differences to ES5

JavaScript Tooling (Babel, Webpack, yarn)

DOM Events & AJAX





Wrapping all together with Rails

Wrap it all together by coding your first Ruby on Rails applications. Deploy your applications in production & start coding "the Rails way".

MVC in Rails: Routing, Controllers, Params & Views

Models & CRUD in Rails

Adding gems to your project

ERB: Layouts, Partials and Helpers

Nested Resources and Namespaces

Refactoring an app with Services

Defining a Rails API



Building Airbnb in teams

Code a clone of Airbnb from scratch in 5 days. You will work in teams to learn to collaborate on Github using pull requests and deploy your apps on Heroku, using the same workflow as successful startups.

Collaborating on a Rails app with Git and Github

Testing in Rails with Rspec

Authentication with Devise

Omniauth and 3rd services' login (FB, Linkedin, Spotify...)

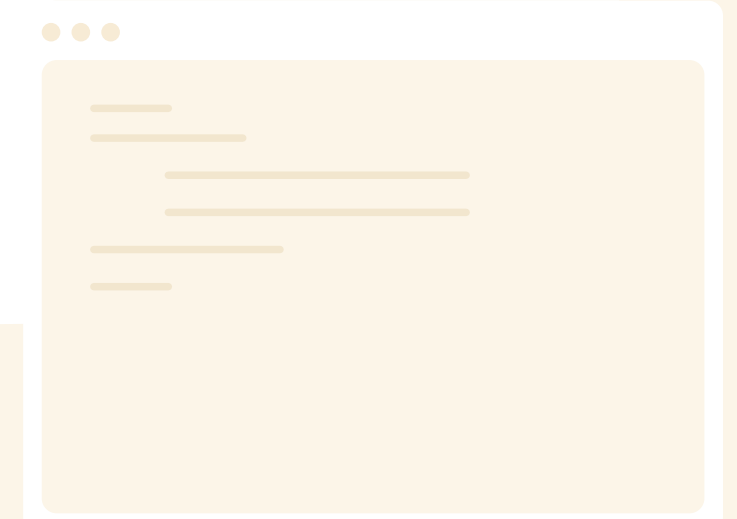
Users' authorization

Search in Rails

Payment, Mailing, Geocoding and Maps

Background Jobs with Sidekiq

Image upload with Cloudinary & Continuous Deployment with Heroku



Phase 3 - **Projects**

(2 weeks)

Invent, design, code, deploy and pitch personal projects in teams.

Projects Phase is the ultimate experience of the program: invent, pitch, design, code and deploy an original project in teams of 3 or 4 people during the two final weeks.

Product's target and unique value proposition

Prototyping on Figma to test your UX

Splitting work into user stories

Coding an original web app from scratch: from back-end to user-interface

Deploy your app on a production environment

Pitch your web-app in a public graduation ceremony

I still can't believe I achieve this in only 9 weeks. Cherry on top, I can go back to Le Wagon whenever I have a bit of spare time and can still enjoy the atmosphere of this incredible place where people believed in me.

Manou Febvret

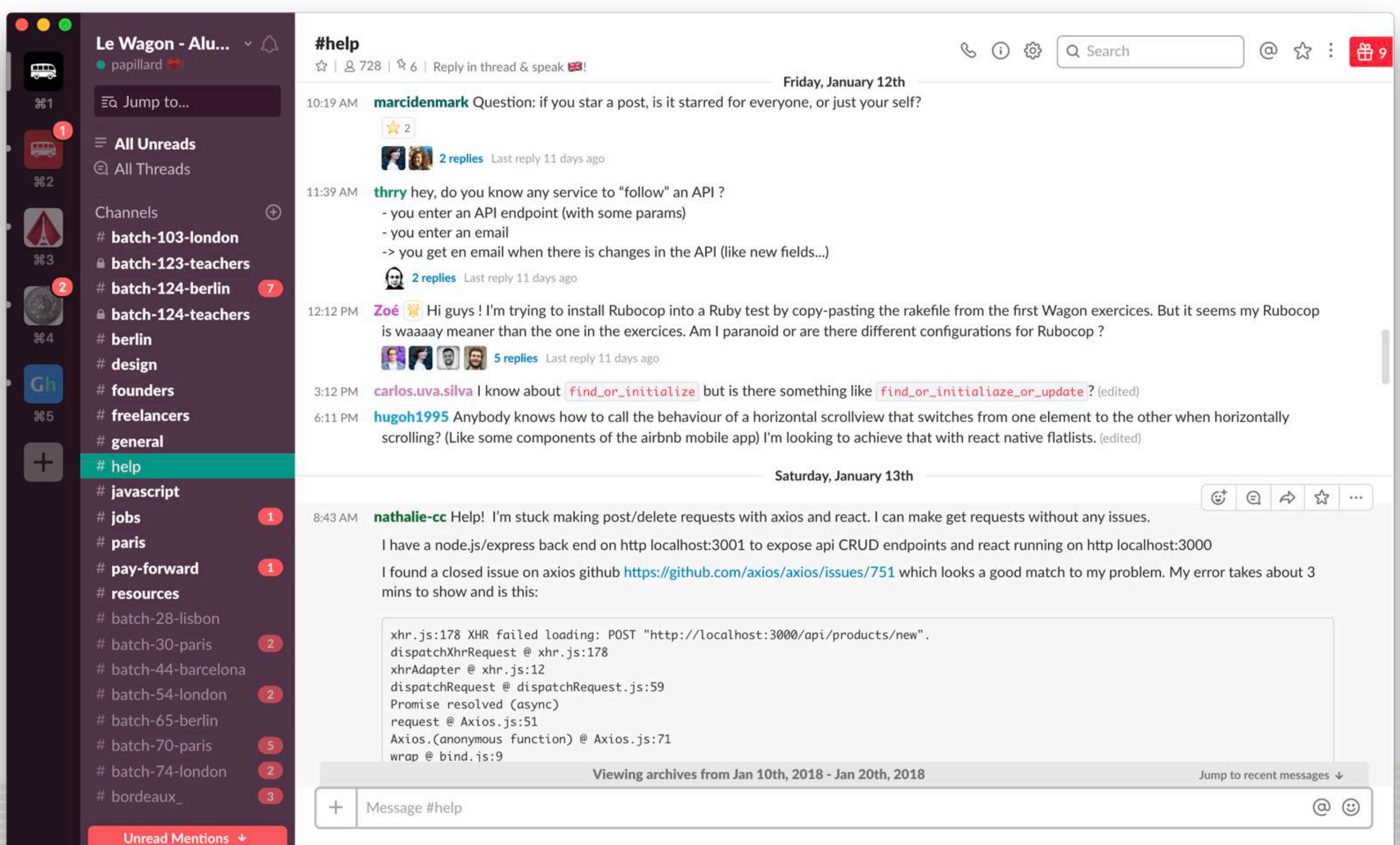
Product Designer, **Aircall**



Our **Community.**

More than 3,700+ creative alumni with various backgrounds (engineers, entrepreneurs, freelancers, designers..) coming from 50+ countries are chatting every day on Slack, getting help from Le Wagon's teachers, sharing tips, resources, code gists, job offers and news from their products. One of the best tech communities in the world.

Check our Slack to get a taste of it 



Le Wagon - Alu... papillard

#help 728 | 6 | Reply in thread & speak

Friday, January 12th

10:19 AM **marcidenmark** Question: if you star a post, is it starred for everyone, or just your self?

11:39 AM **thrry** hey, do you know any service to "follow" an API ?
- you enter an API endpoint (with some params)
- you enter an email
-> you get an email when there is changes in the API (like new fields...)

12:12 PM **Zoé** Hi guys ! I'm trying to install Rubocop into a Ruby test by copy-pasting the rakefile from the first Wagon exercises. But it seems my Rubocop is waaaay meaner than the one in the exercises. Am I paranoid or are there different configurations for Rubocop ?

3:12 PM **carlos.uva.silva** I know about `find_or_initialize` but is there something like `find_or_initialize_or_update` ? (edited)

6:11 PM **hugoh1995** Anybody knows how to call the behaviour of a horizontal scrollbar that switches from one element to the other when horizontally scrolling? (Like some components of the airbnb mobile app) I'm looking to achieve that with react native flatlists. (edited)

Saturday, January 13th

8:43 AM **nathalie-cc** Help! I'm stuck making post/delete requests with axios and react. I can make get requests without any issues.
I have a node.js/express back end on http localhost:3001 to expose api CRUD endpoints and react running on http localhost:3000
I found a closed issue on axios github <https://github.com/axios/axios/issues/751> which looks a good match to my problem. My error takes about 3 mins to show and is this:

```
xhr.js:178 XHR failed loading: POST "http://localhost:3000/api/products/new".
dispatchXhrRequest @ xhr.js:178
xhrAdapter @ xhr.js:12
dispatchRequest @ dispatchRequest.js:59
Promise resolved (async)
request @ Axios.js:51
Axios.(anonymous function) @ Axios.js:71
wrap @ bind.js:9
```

Viewing archives from Jan 10th, 2018 - Jan 20th, 2018

Message #help



You will always be welcome in our 32 campuses worldwide.

Our Platform.

We warned you, we are serious about product! That's why we've developed the best platform we could imagine for our students:

- ✓ 300+ challenges
- ✓ 45 video lectures of 1h30 to re-watch any time after the bootcamp
- ✓ 100+ live-codes and tutorials on real-life examples
- ✓ 900+ flashcards to rehearse core concepts
- ✓ **Life-time access to our platform** and all our future resources & tutorials

All this content has been developed thoroughly by Le Wagon's teachers for the last 5 years, batch after batch, feedback after feedback. We believe a great coding course demands lots of iterations and refinements to make sure we are moving at the same pace as the tech we are teaching.

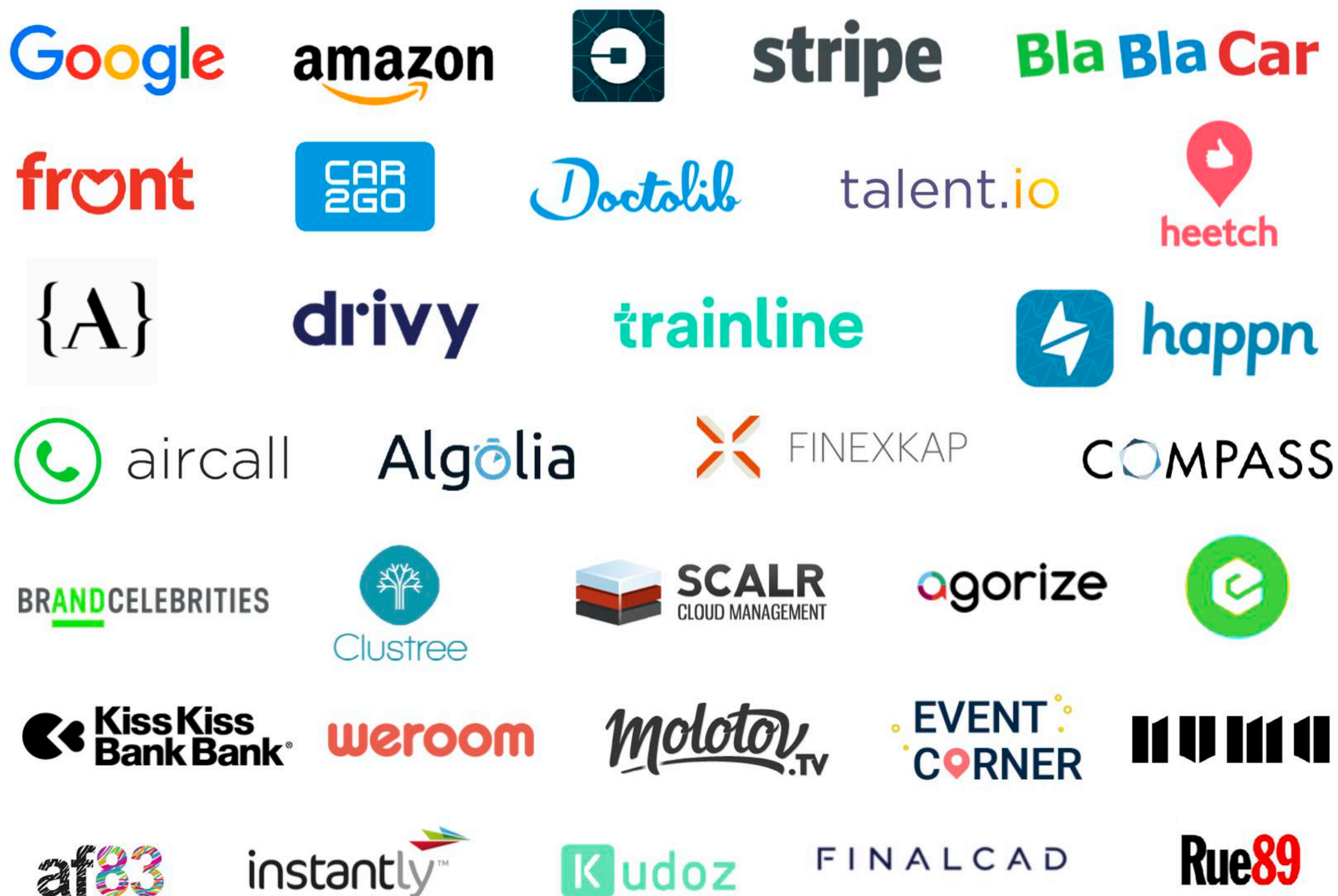
The screenshot displays the 'Tutorials · Knowledge' section of the Le Wagon platform. The interface includes a search bar with the placeholder 'e.g. react', a navigation menu with options like 'Lectures', 'Tutorials', 'Cheatsheets', 'Resources', and 'React & Redux', and a user profile icon. The main content area is a grid of video tutorial cards, each featuring a thumbnail, a title, a description, and a duration. The cards are categorized by technology, indicated by colored banners: JavaScript (purple), Rails (red), CSS (blue), and Design (pink). The visible cards include:

- Introduction to Stimulus JS** (18:58) - Learn the basics of the modest Javascript framework: Stimulus. 9 likes.
- Create a Chrome Extension** (14:35) - Learn how to kickstart a chrome extension. 12 likes.
- From web app to PWA** - Turn your good old Rails app into a Progressive Web App. 8 likes.
- Introduction to React** (01:53:17) - Build an Airbnb Front-end clone with React. 47 likes.
- ActionCable setup** (19:59) - Learn to build a real-time chat app with Action Cable. 53 likes.
- Professional UX workflow** (01:21:11) - Analyze UX data and set up and advanced design workflow with Sketch/Invision/Asbstract. 24 likes.
- Advanced Form With Checkboxes** (38:28) - Design multiple checkboxes. 48 likes.
- Following Users in Rails** - Learn how to implement user following in Rails. 7 likes.

The bottom of the screenshot shows the URL https://kitt.lewagon.com/knowledge/tutorials/stimulus_intro and the title of the current page, 'Forest Admin'.

Alumni **Jobs.**

Our alumni now work for the best tech companies as product managers or developers. Recruiters all love the "Product know-how" of our graduates.



Le Wagon's curriculum is extremely fine tuned and we can feel that there has been a lot of iterations to reach such a level. You're extremely challenged without feeling drowned under too much information.

Quitterie Mathelin-Moreau
Cofounder CEO, Skello















Alumni **Startups.**

Le Wagon's community is also a strong network of entrepreneurs. More than 100 startups have been launched by Le Wagon alumni, 30 of them having successfully raised funding to this day.

- ✓ 15+ alumni have raised between \$1.5m and \$7m
- ✓ 20+ alumni have raised between \$300,000 and \$1m each
- ✓ 100+ active startups have been launched by Le Wagon alumni
- ✓ 900+ flashcards to rehearse core concepts
- ✓ 50% of the founders meet each other during the bootcamp

Successful companies that have emerged from Le Wagon include Skello, Workelo, Regaind (acquired by Apple), Travelsify, Side.co, Plato, Scalia A-line, Kudoz and many more...

 PLATO	\$3M	 A line	\$1.5M	 TRAVELSIFY <small>the travel genome project</small>	\$2M
 skello	\$7M	 medGo	\$1M	 ecov	\$1M
 Kudoz	acquired by Le Bon Coin	 SERAPHIN	\$1.2M	 MedPics	\$300K
 fluicity	\$1M	 destygo	\$1M	 REGAIND	acquired by Apple

FAQ.

All you need to know before applying to our FullStack Program.

Cost

What are the tuition fees?

You can find prices at the bottom of the application form for each city you are interested in. Price may vary depending on the location and its cost of living.

Are there any scholarships available?

Some cities offer scholarships for co-founders, locals, and women in tech.

What payment plans do you offer? How many instalments / payment schedule?

The bootcamp is to be paid in one, two or three instalments depending on the city's legal requirements. Please reach out to the local City Manager she/he'll be happy to share any specificities on this matter.

Application

What's the application process to become a student of Le Wagon?

Once you've submitted the application form on our website, you will receive an email with a few additional questions about your expectations and technical skills. At this point, we will schedule an interview (Skype or on-site) after which we will tell you very quickly if you have been selected. We also recommend that you start working on the Ruby track on CodeCademy as soon as possible, as you will have to complete this track before being accepted.

Is there any preparatory work before the start of the bootcamp?

Yes, you have to complete the Ruby track on Codecademy before being accepted on the course. You will need between 9 and 15 hours and this step is absolutely mandatory. If you are selected, you will have some additional prepwork to complete on Le Wagon's prepwork platform.



Is it possible to join a waiting list?

People abandoning ship once they have been accepted on the course is very rare, but if it happens we will reach out to you! However you will need to go through the application process as usual before being accepted.

How should I choose the city in which to do the bootcamp?

Le Wagon fulfils exactly the same mission in all of our locations. The curriculum is the same everywhere as are all of our materials (lectures and exercises). Teachers and teaching assistants are hired and trained in the same way all around the globe. Our advice to help choosing a city would be :

- Target a country where you want to build something: either take part in its tech community or find a job
- Quality of life: can I afford it ? Would I like the climate ? etc.
- Language: check the language in which the bootcamp is actually done (in Brazil the lectures are actually in Portuguese, in France the bootcamp is in French, etc.)

Do you help international student to get a visa?

Depending on your situation and where you would want to do the bootcamp, you can usually attend Le Wagon on a simple tourist visa. However, you should always check if it's the case with your embassy.

Do you know when the next session will be?

We usually open applications 4 to 5 months in advance. Feel free to reach out to the local city manager. She/He will gladly answer all of your questions and contact you as soon as we open the applications for the upcoming batch.

Student profile

I don't have any technical background, is it the right program for me?

Of course. We expect 3 things from our students: be motivated (very motivated), be curious, be social. That's it!

Is there a typical profile for a Le Wagon student?

Absolutely not. Our alumni are between 18 and 55, they all share the same curiosity and enthusiasm for coding. They all come from various background: studying, marketing, engineering, doctors, lawyers, journalists, architects, musicians... Spending 9 weeks at Le Wagon is not only an incredible human experience, it also helps you build an astonishing network for your after-bootcamp life!



I'm over 40 years old, should I apply?

We have had students over 40 in the past and they succeeded in finishing the bootcamp, learning web development and starting new careers. Regarding the recruitment process to get onboard, it only depends on your commitment and your motivation.

I don't currently have an idea of a project to work on. Is it a problem?

Don't worry about it! Students with a project are invited to pitch their idea during the bootcamp while people without one are welcome to team up with them. However if you only apply to Le Wagon to get a head start on your own project during the last 2 weeks then you've misunderstood the real purpose of the end of our program. The real goal is to learn how to work as a team and improve your Rails skills while building a product. Even if don't get enough votes to work on your project, cheer up! The good news is you will be able to code your idea in total autonomy after Le Wagon!

Should I bring my laptop?

Yes, each student must have a laptop. You'll need Mac OS X or Linux, but if you only have Windows, no worries you'll learn how to install Linux the first day.

What language do I need to speak?

In most of our cities, courses are given in English! In France, lectures are given in French and in some other cities (São Paulo, Shanghai, Chengdu, Tokyo) specific sessions are organized in other languages (brazilian portuguese, chinese, japanese). You can check the language of the next batch on the "Apply" page.

The FullStack Program

What will I be able to build at the end of the 9 weeks?

You'll have a Ruby on Rails junior developer level. This means you'll be able to quickly prototype your ideas by creating a web application on your own. For instance, you will know how to include authentication to your site (simple signin/signup, or Facebook/ Twitter connect), add an admin back-office, include payment features, automate emails sending, and much more. You'll also know how to quickly deploy to production and you will have learned the programming best practices. You'll then be facing a choice: continue your entrepreneurial journey or become a junior developer in a startup or a bigger tech company.



Only 9 weeks?

Le Wagon is a 9-week program, from Monday to Friday, 9am - 7pm (minimum). To get the most out of the program you need to fully commit to it as it is really a demanding experience (450 hours of code in just 9 weeks!). In the past, people who kept a side activity during the bootcamp struggled to keep the pace.

The main difference between a CS degree and a bootcamp is that we don't start from scratch. In a traditional curriculum you will start learning all the theoretical knowledge (electronic basis, hardware...) before tackling all the elements that make up the Internet today (user interface, operating system...) and then only would you approach web development. This is useful only if you want to be able to navigate between these layers. However nowadays, you can build almost anything while only mastering the last part. That's why we built Le Wagon Curriculum the way it is. Of course you won't work at Tesla as an engineer but you will be able to either build your own product or start as a junior developer or become a product manager. Do not hesitate to make up your own mind by watching our latest demo days!

What is the main difference with other bootcamps?

We're more product-driven than any other bootcamp you might find. The idea behind Le Wagon is to give you all the skills you might need to bootstrap and launch your own product/web app. That's why we teach Ruby and its framework: Ruby on Rails. Both are really easy to grasp and give you the ability to build and deploy amazing products quickly. Our CTO wrote an article on this matter on Le Wagon's *Medium* page.

Will I learn mobile app development?

Yes and no. Let's be clear, you will not learn iOS, Android or Windows Phone development. We don't think these skills can properly be taught (honestly) in 9 weeks. We prefer teaching you the fundamentals of programming and web development for many reasons. First, these are the core skills of a software engineer, even if you want to dive into mobile development later on. Second, the web is THE open platform you need to understand. Thanks to Responsive Web Design (which is part of the program), you'll still be able to create apps that will display nicely on mobile devices. You'll also learn to create APIs that will be used by your mobile apps. It will then be very easy for any mobile developer to code your iOS or Android interface starting from the API you've built.

Do you offer a part-time course or evening classes?

We only have a full-time program, but we also work with universities and businesses to provide students and employees with shorter tech courses in different coding-based subjects. If you think this could be of more interest to you, please get in touch with your local City Manager for more information.



Do you provide accommodation/catering?

No we do not. The price of the 9-week course only includes the tuition - and unlimited tea and coffee. Our city managers can help you as they know their cities well! They will be able to recommend some great places for your stay!

Do you offer career support?

We consider that the ability of each student to find a position after the bootcamp is highly based on the student's motivation and work. Guaranteeing 100% employment at the end of the bootcamp would be dishonest in that regard.

When choosing a coding bootcamp, you should focus more on the quality of the curriculum and teachers. You should ask yourself about the skills you will have at the end and the product you will be able to build. That's what will really make you hireable. You can have a look at our various demo days to get an idea about what students are able to build at the end of the 9 weeks.

However, Le Wagon has an excellent network within the tech industry and a very good reputation with recruiters. Our students massively benefit from this. Moreover, we now have more than 3,700 alumni working in hundreds of different companies. This internal network is your first support when looking for a job: our alumni work for the best tech companies out there and can recommend you for a position, and they'll also be available to support you during the search - by answering technical or non-technical questions.

Employers

Is it possible to share our job offer(s) with your alumni?

Yes of course. However recruitment is a long-term relationship and as such we would love to connect with you first!

Do you organise recruitment events?

Yes we do! From regular events to great workshops to promote your company's culture we would love to discuss the best format fitting your needs around a coffee. Tell us a bit more about you and join our alumni network right here!

