

Learn to Learn to Program

Words by Dan

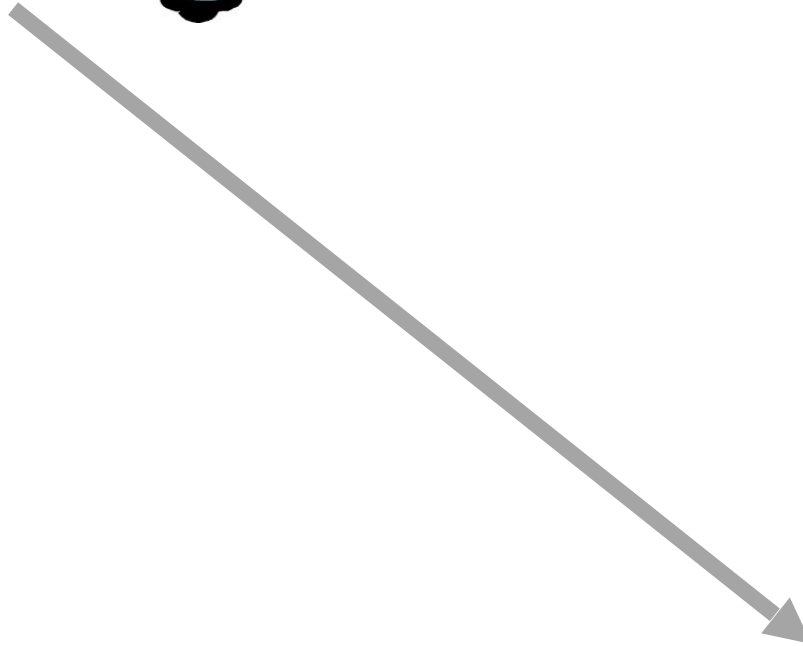
dan@adicu.com | danrs.ch

You

You

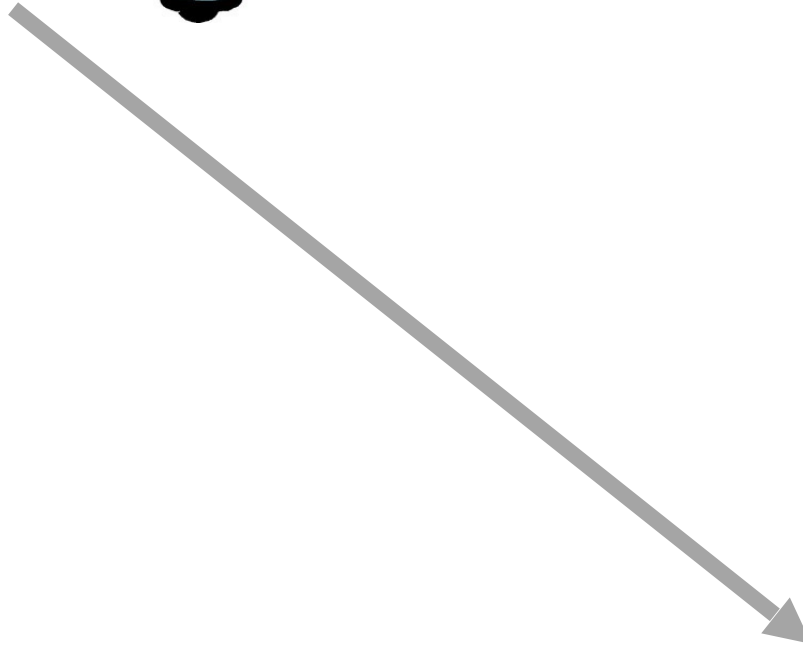


You



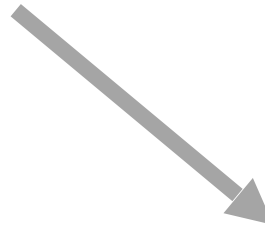
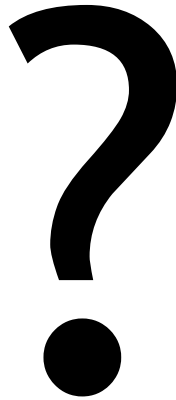
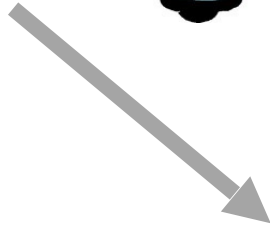
Your
App

You

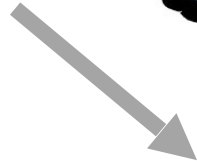


Your App

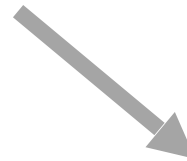
You



Your
App



Technology!!



- Nginx
- Apache
- Sinatra
- Gunicorn
- Tumblr
- Wordpress
- Github Pages

Have You heard of...

• JSON

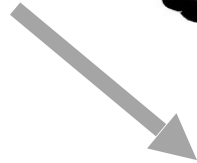
• REST

• APIs

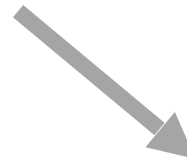
- HTML
- SASS
- CoffeeScript
- Ruby
- CSS
- SCSS
- Grunt
- Ruby on Rails
- JavaScript
- LESS
- Python
- Markdown
- jQuery
- Angular JS
- Flask
- Bash
- Bootstrap
- Backbone.js
- Django
- Git
- Foundation
- Firebase
- Jinja
- Github

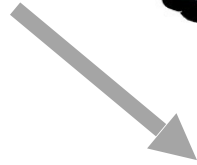
- C
- Objective-C
- iOS
- Scala
- Heroku
- Java
- XML
- Android
- Haskell
- Parse

• PHP

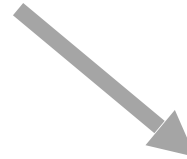


Technology!!

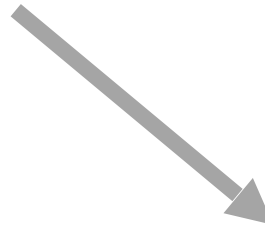
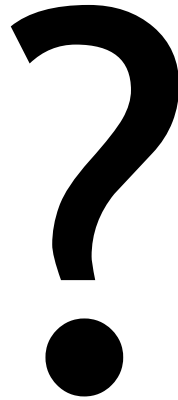
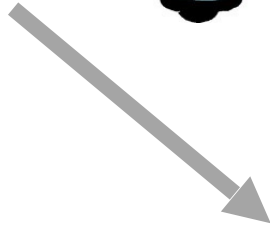




~~Technology!!~~



You



Your
App

Goals

Goals

- Understand and scope your project

Goals

- Understand and scope your project
- Avoid getting overwhelmed

Goals

- Understand and scope your project
- Avoid getting overwhelmed
- Get help in person and online

Questions

Questions

- What devices will it run on?

Questions

- What devices will it run on?
- Will I need a server?

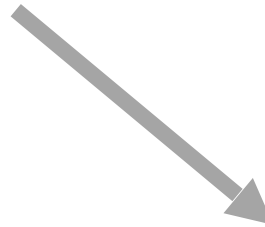
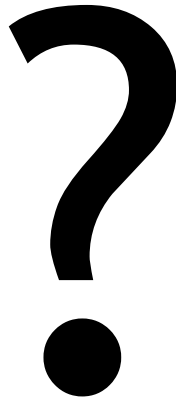
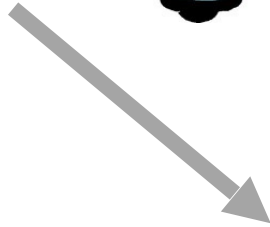
Questions

- What devices will it run on?
- Will I need a server?
- Where do I store my user's data?

Questions

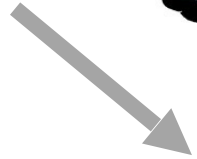
- What devices will it run on?
- Will I need a server?
- Where do I store my user's data?
- Who will be building / maintaining this?

You

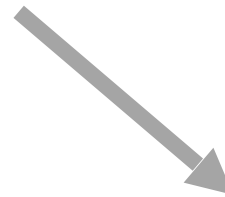


Your
App

You



Tech Stack



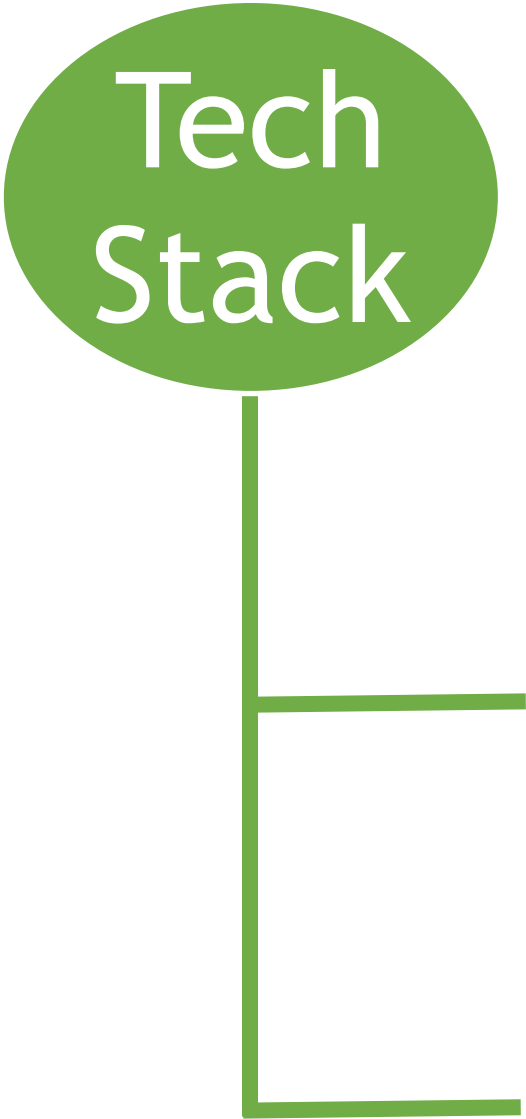
Your App

Tech Stack

Tech Stack

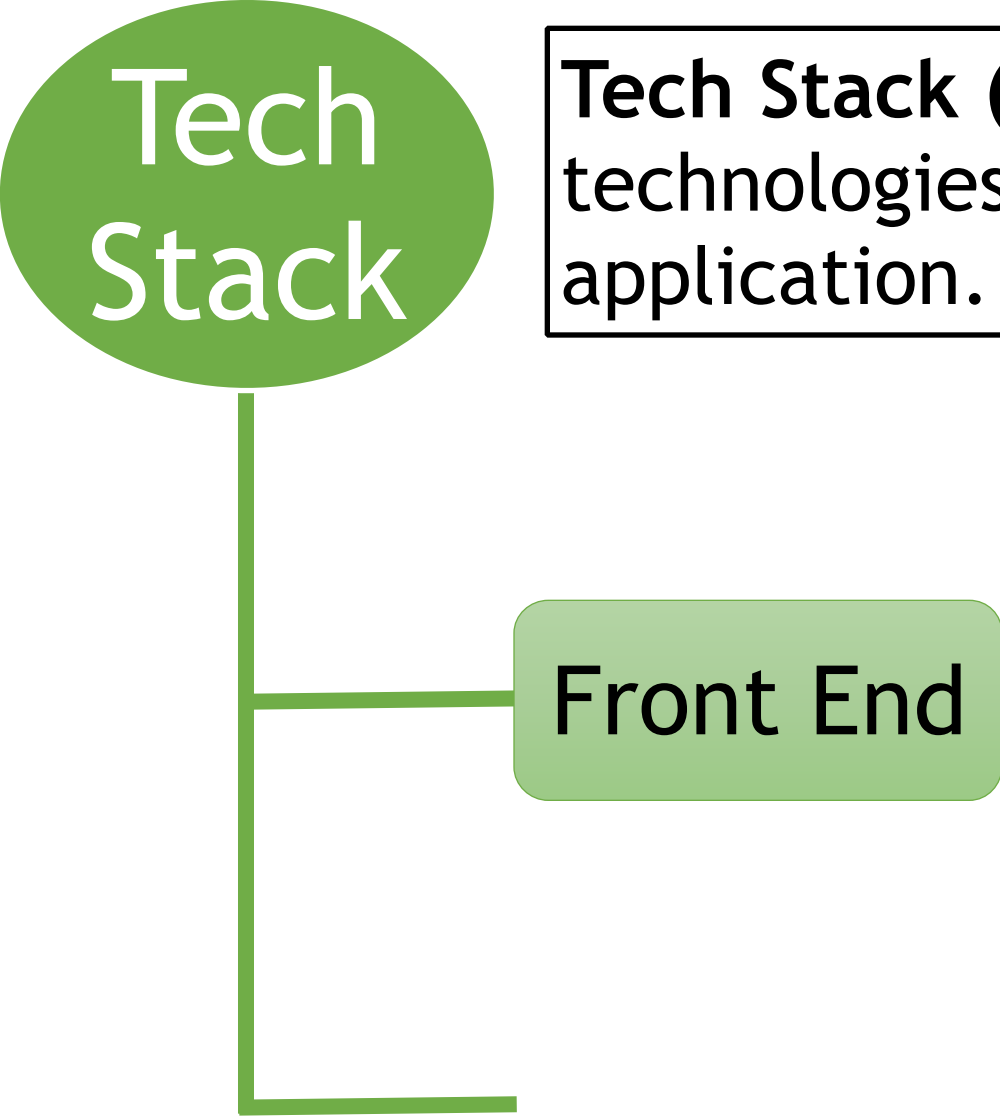
Tech Stack (n): All of the technologies that make up your application.

Tech Stack



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Tech Stack



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Front End

Tech Stack

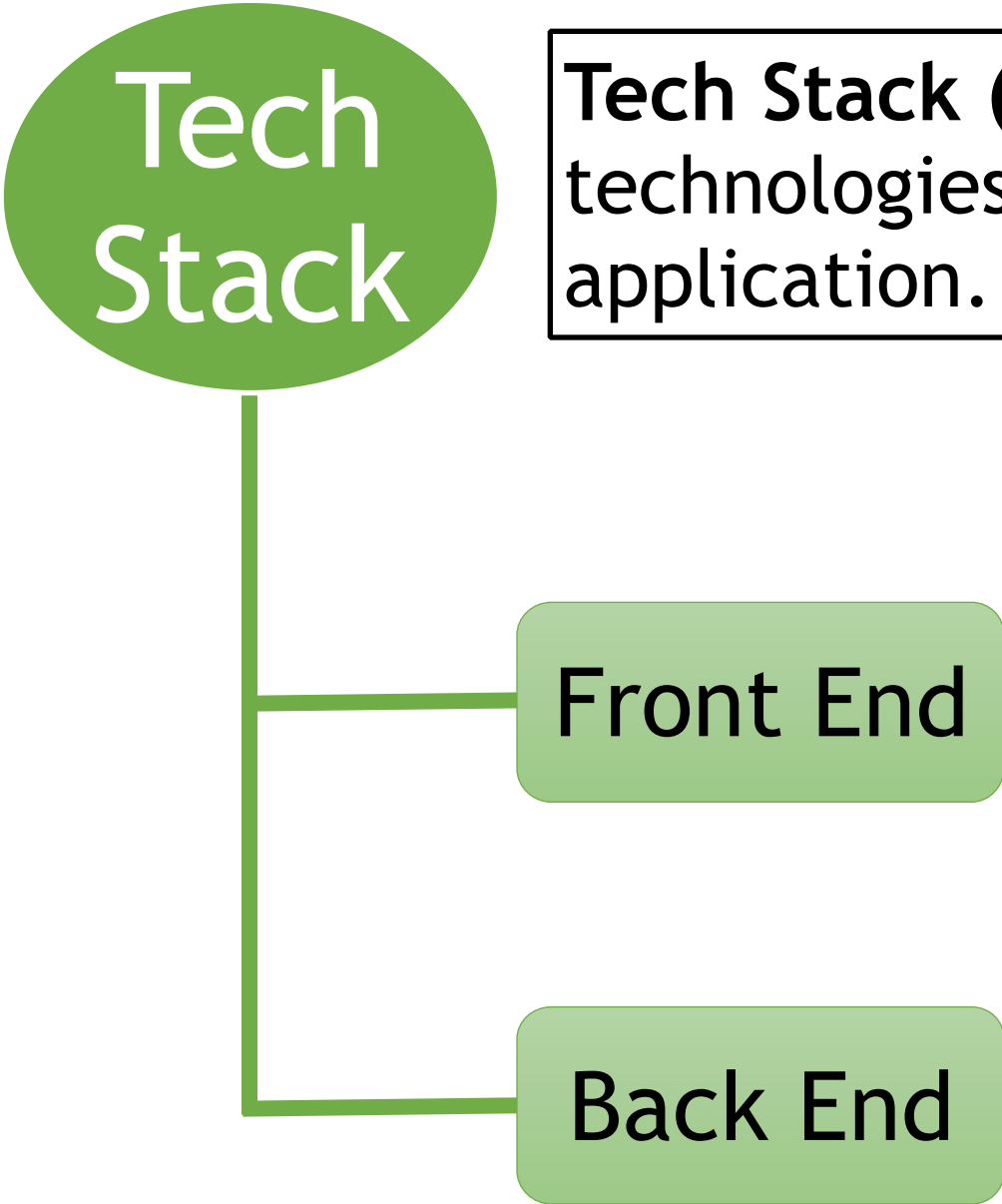
```
graph TD; A((Tech Stack)) --- B[ ]; B --- C[Front End]; C --- D[Everything the user can see and interact with];
```

Tech Stack (n): All of the technologies that make up your application.

Front End

Everything the user can see and interact with

Tech Stack



Tech Stack (n): All of the technologies that make up your application.

Front End

Everything the user can see and interact with

Back End

Tech Stack

```
graph TD; TS((Tech Stack)) --- V[ ]; V --- FE[Front End]; V --- BE[Back End]; FE --- FEDEF[Everything the user can see and interact with]; BE --- BEDEF[Everything they can't];
```

Tech Stack (n): All of the technologies that make up your application.

Front End

Everything the user can see and interact with

Back End

Everything they can't




Why?

Tech
Stack

Why?

- Understand and scope your project



Tech
Stack

Why?

- Understand and scope your project
 - Set better milestones

Tech Stack

Why?

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Tech Stack

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 - Divide and conquer

Tech Stack

Why?

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- Get help in person and online


Tech Stack

Why?

- Understand and scope your project
 - Set better milestones
- Avoid getting overwhelmed
 - Divide and conquer
- Get help in person and online
 - Try Googling “How to make the next Facebook”

Tech
Stack


Example: Website



Tech
Stack

Example: Website

- Back End



Tech
Stack


Example: Website

- Back End
 - Heroku, Python and Flask

Tech Stack

Example: Website

- Back End
 - Heroku, Python and Flask
- Front End

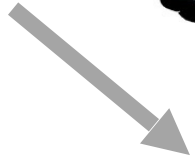


Tech Stack

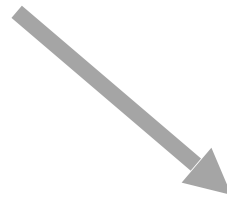
Example: Website

- Back End
 - Heroku, Python and Flask
- Front End
 - HTML, CSS, JavaScript, Bootstrap

You

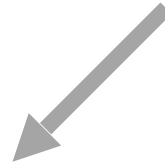


Tech Stack

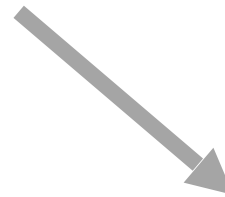


Your App

You

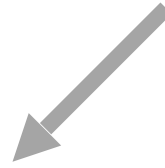


Tech Stack

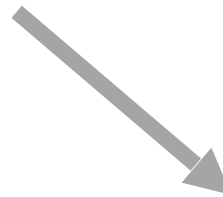


Your App

You

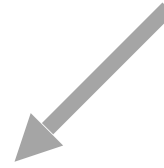


Tech Stack



Your App

You



Tech Stack



Learn

Your App

Learn

Learn (v): to acquire knowledge of or skill in by study, instruction, or experience.

Learn

Learn (v): to acquire knowledge of or skill in by **study**, ~~instruction~~ **collaboration**, ~~or~~ **and** ~~experience~~ **practice**.

Learn

Learn (v): to acquire knowledge of or skill in by **study**, **collaboration**, and **practice**.

Learn

Learn (v): to acquire knowledge of or skill in by **study**, **collaboration**, and **practice**.

Learn

```
graph TD; Learn((Learn)) --- Study[Study];
```

Learn (v): to acquire knowledge of or skill in by **study**, **collaboration**, and **practice**.

Study

Learn



Learn (v): to acquire knowledge of or skill in by **study**, **collaboration**, and **practice**.

Study

Learning requires independence and confidence

Learn

```
graph TD; Learn((Learn)) --- Study[Study]; Learn --- Collaboration[Collaboration];
```

Learn (v): to acquire knowledge of or skill in by **study**, **collaboration**, and **practice**.

Study

Learning requires independence and confidence

Collaboration

Learn

```
graph TD; Learn((Learn)) --- Study[Study]; Learn --- Collaboration[Collaboration];
```

Learn (v): to acquire knowledge of or skill in by **study**, **collaboration**, and **practice**.

Study

Learning requires independence and confidence

Collaboration

Learning mandates group work

Learn

Learn (v): to acquire knowledge of or skill in by **study**, **collaboration**, and **practice**.

Study

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Collaboration

Learning mandates group work

Practice

Learn

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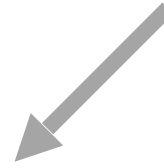
Collaboration

Learning mandates group work

Practice

Learning means persistence

You



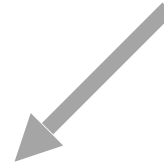
Tech Stack



Learn

Your App

You



Tech Stack

Hard!



Learn

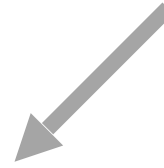


Your App

get help.

adicu.com/resources

You



Tech Stack

Hard!

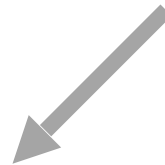


Learn



Your App

You



Tech Stack

Hard!



Learn



Your App

You



Tech Stack

Hard!



Learn



Your App



Thanks!

Questions?