

Web Developer Concepts for Beginners

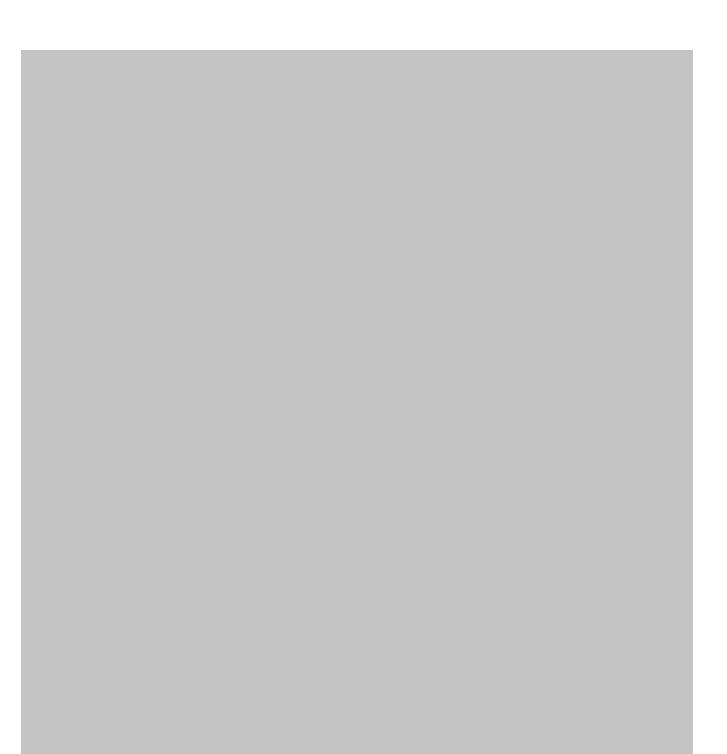
Tatia Wallin

React Hosting Python PHP
JavaScript C# Framework
Server GitLab Ubuntu
Full Stack CSS Front-End
Back-End Linux GitHub
git HTML Node.js Library

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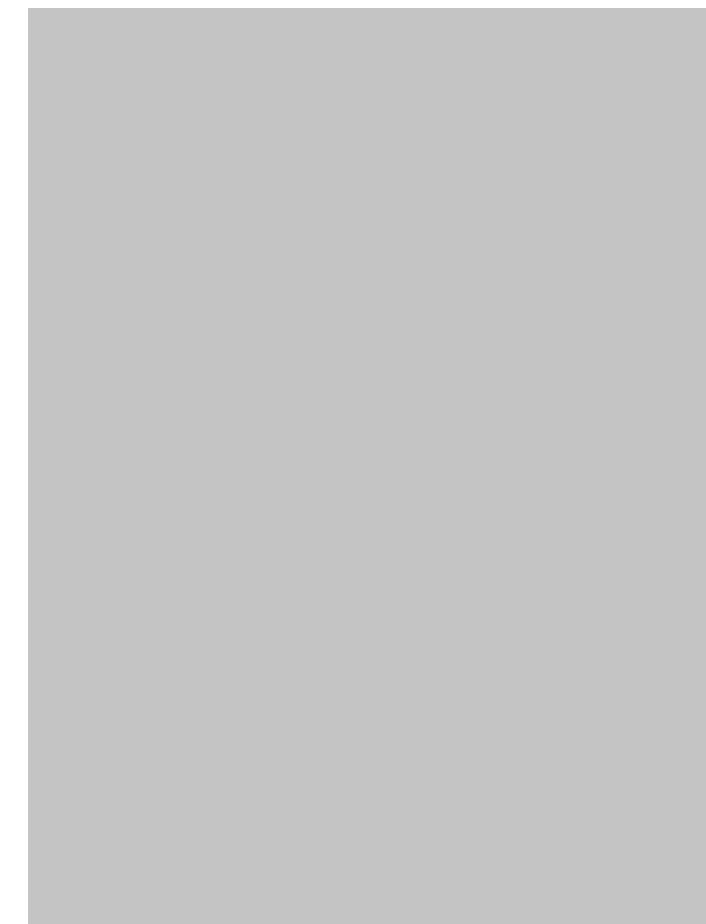
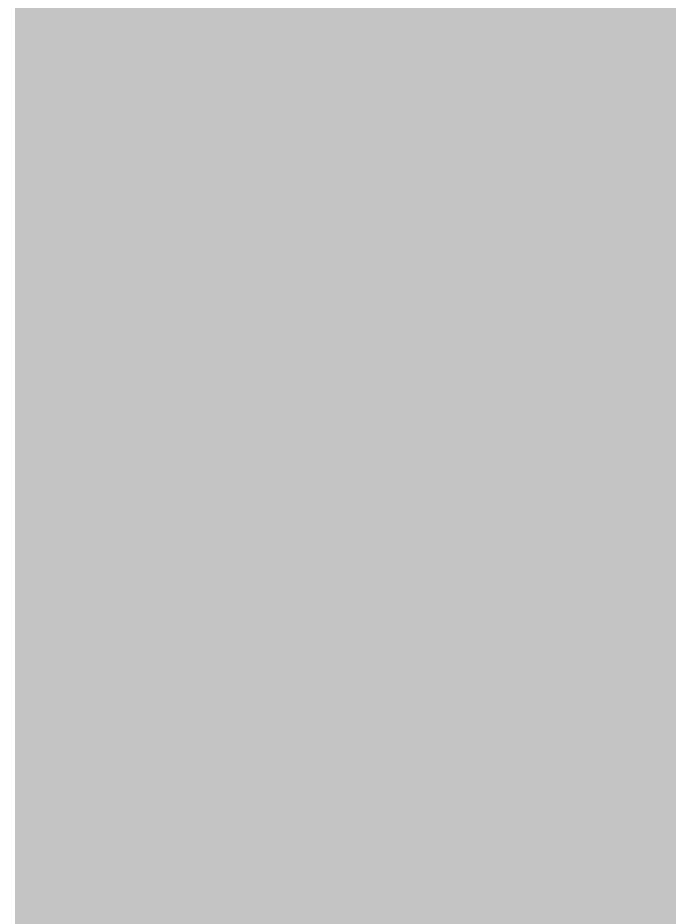


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FRONT-END DEVELOPMENT

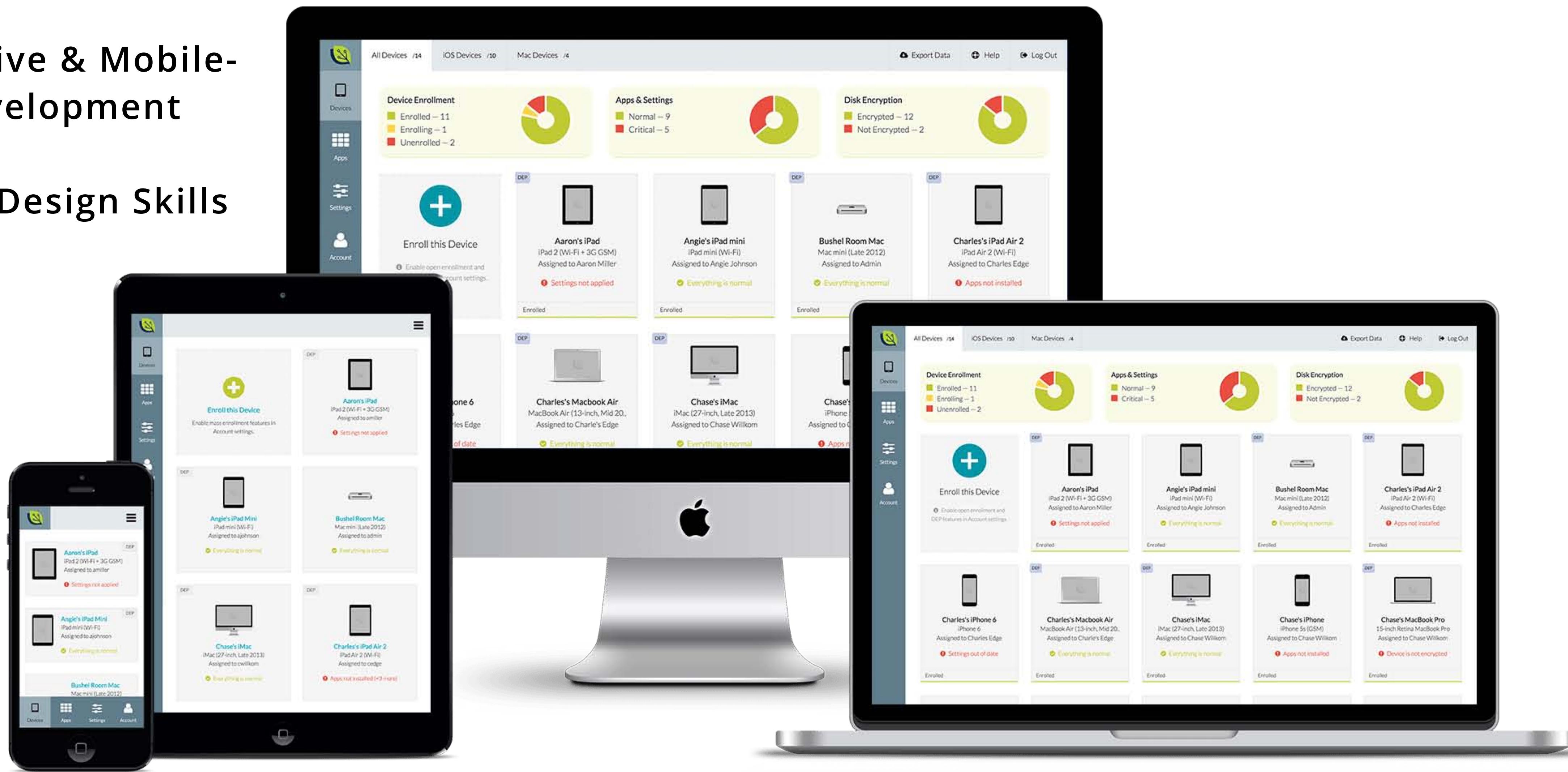


BACK-END DEVELOPMENT



FRONT-END DEVELOPMENT

- AKA: “Client-Side”
- Responsive & Mobile-First Development
- Graphic Design Skills Useful



FRONT-END

DEVELOPMENT

HTML



CSS



JS

HTML

- Current: HTML5
- Structure
- Handles Semantics

CSS

- Current: CSS3
- Style
- Handles Layout

JavaScript

- Current: ES6
- Interactivity
- Handles Behavior

FRONT-END

DEVELOPMENT

HTML



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ES6*

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ES6*

JS

*ECMAScript 6

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FRONT-END DEVELOPMENT

HTML



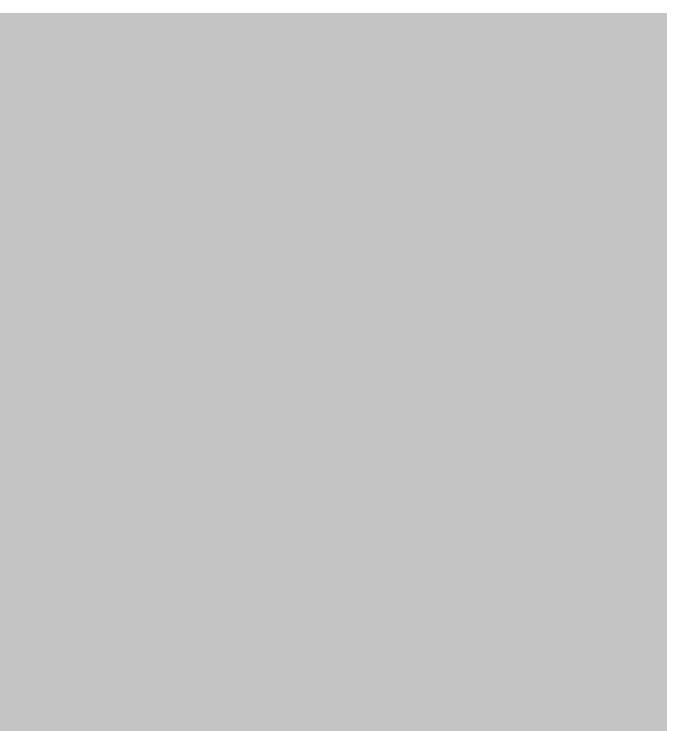
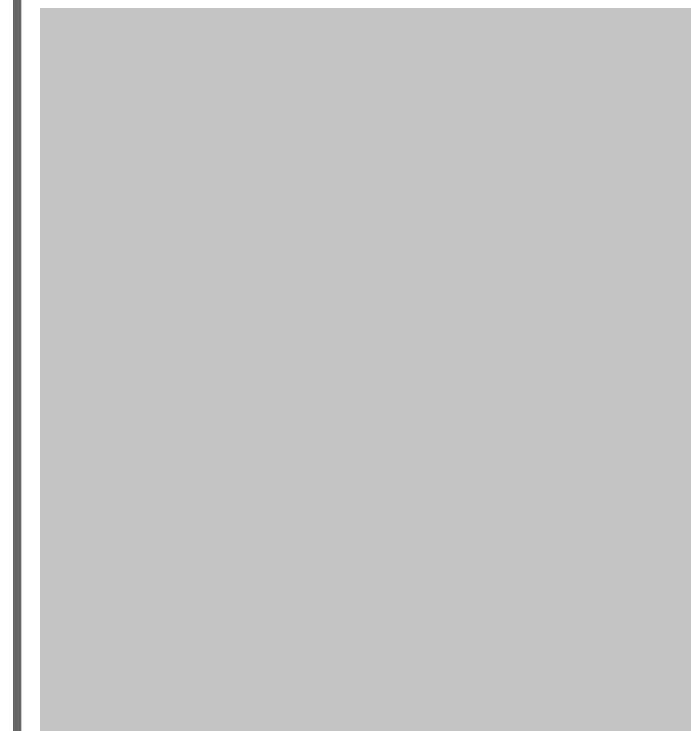
CSS



ES6*
JS

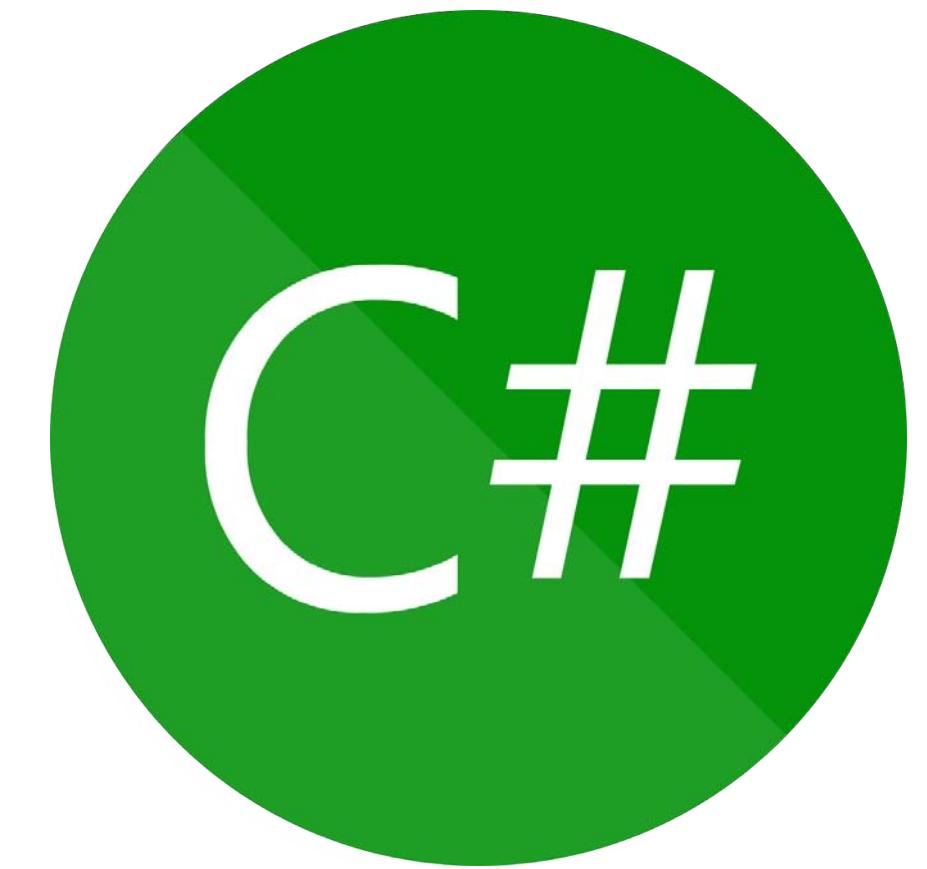
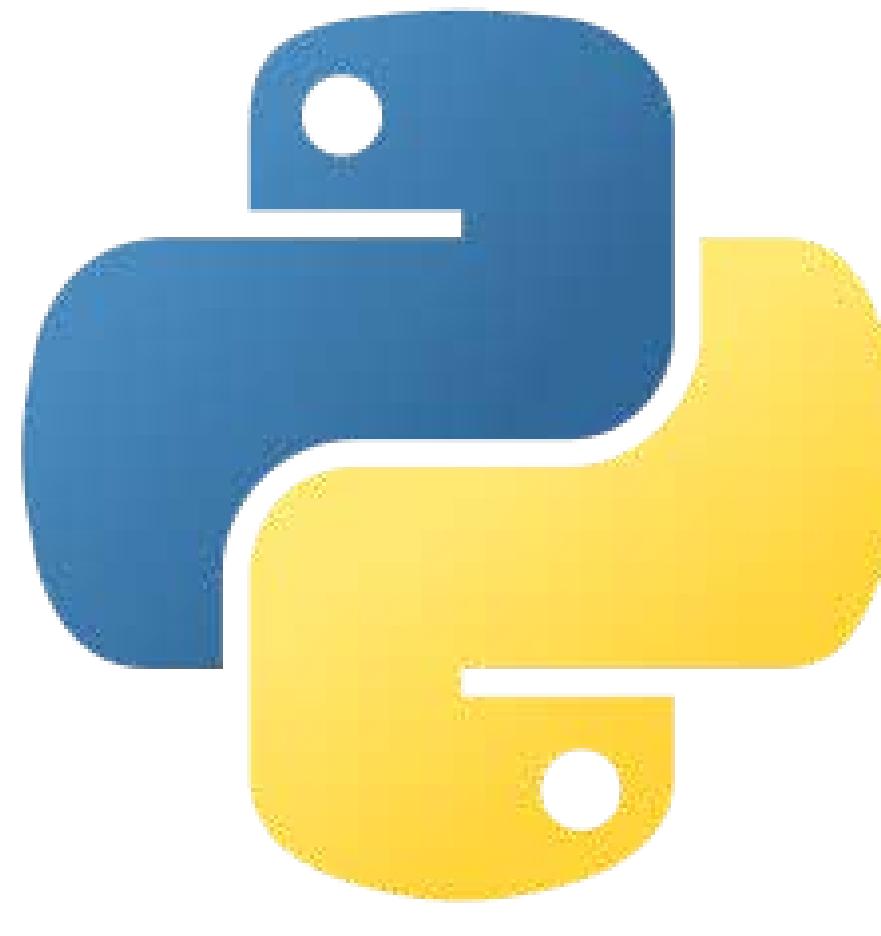
*ECMAScript 6

BACK-END DEVELOPMENT



BACK-END

DEVELOPMENT



- AKA: “Server-Side”
- Handles databases, user connections, processes forms, etc.
- Command Line Interface & Networking Knowledge Useful

BACK-END



FORM

NAME

J. Doe

EMAIL ADDRESS

j-doe@email.co

BACK-END

FORM

NAME

J. Doe

EMAIL ADDRESS

j-doe@email.co

EMAIL

Subject:

New Application from J. Doe!

Message:

Applicant Name:

J. Doe

Applicant Email:

j-doe@email.co

BACK-END

FORM

NAME

J. Doe

EMAIL ADDRESS

j-doe@email.co

EMAIL

Subject:

New Application from J. Doe!

Message:

Applicant Name:

J. Doe

Applicant Email:

j-doe@email.co

EMAIL

Subject:

Confirmation!

Message:

J. Doe,

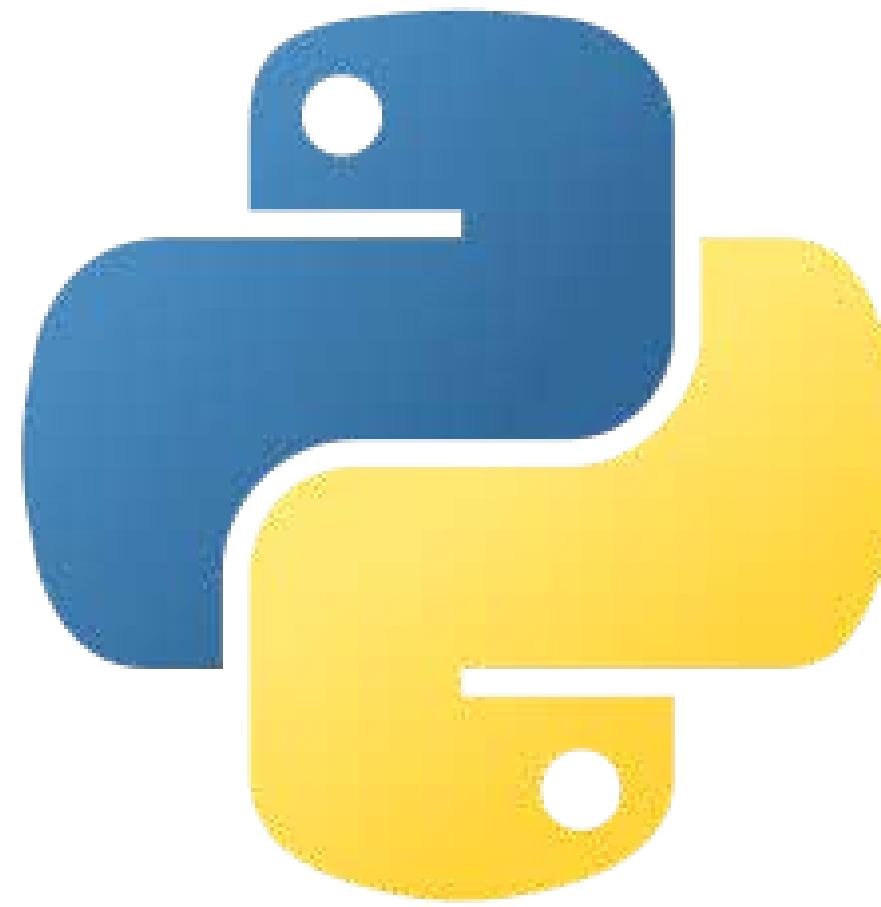
We will get back to you
soon about your application.

We will follow up with you
by email at j-doe@email.com
when we have your demo ready.

Thank you,
Admin Contact

BACK-END

DEVELOPMENT



- AKA: “Server-Side”
- Handles databases, user connections, processes forms, etc.
- Command Line Interface & Networking Knowledge Useful

SERVERS

- Usually powered by a Linux Distro
- Everything on the Internet is stored on a server, including the web
- Servers can be rented from hosting providers
- Connects your site's code, content, domain name, and IP address



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FRONT-END DEVELOPMENT

HTML



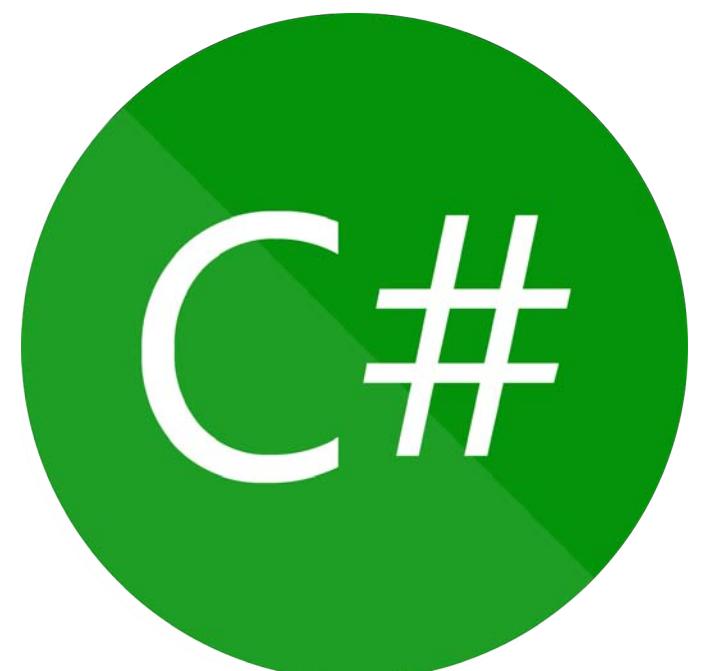
CSS



ES6*
JS

*ECMAScript 6

BACK-END DEVELOPMENT



...and MANY more!

Full Stack

DEVELOPMENT

HTML



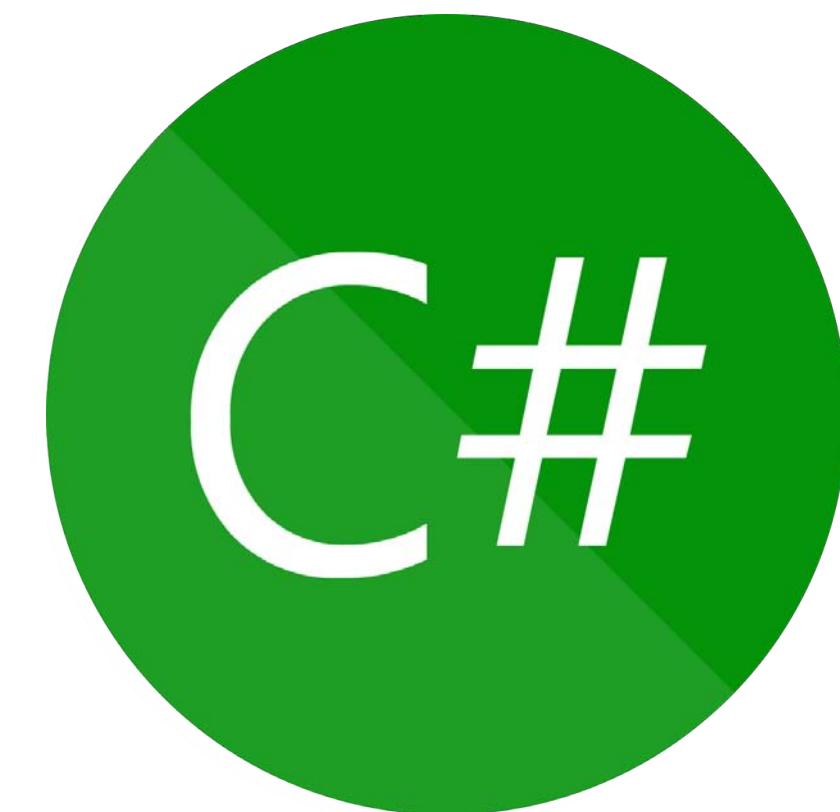
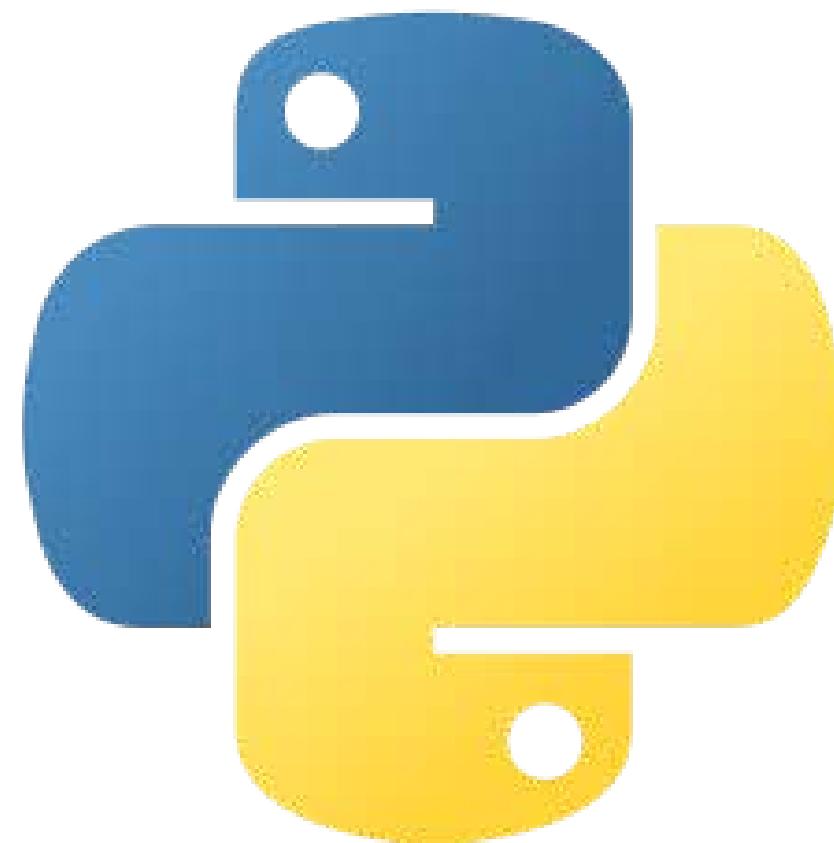
CSS



ES6*

JS

*ECMAScript 6



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FULL STACK DEVELOPMENT

FRONT-END DEVELOPMENT

HTML



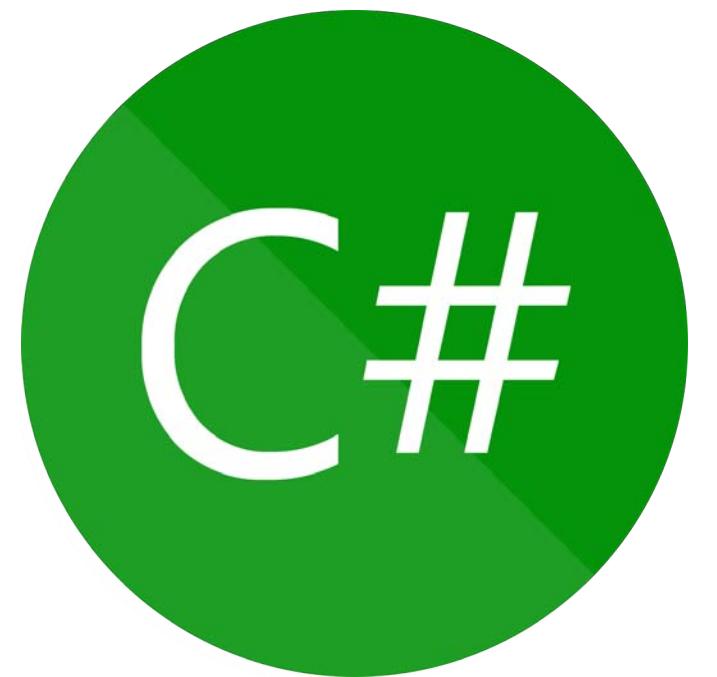
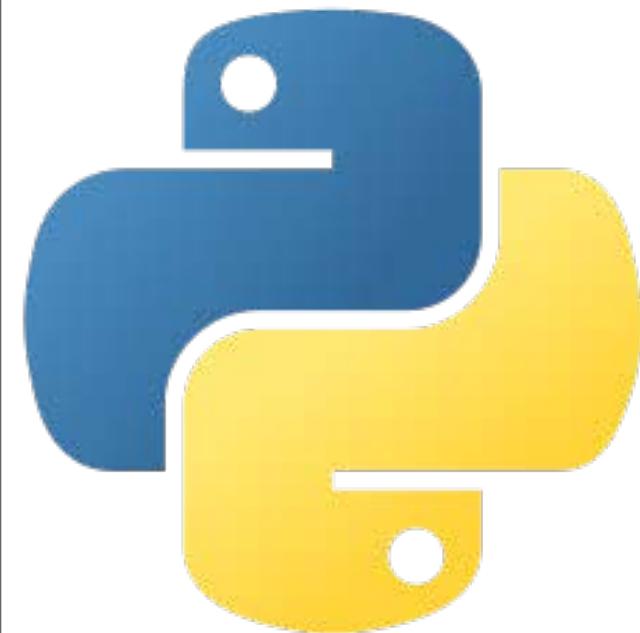
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ES6*
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*ECMAScript 6

BACK-END DEVELOPMENT



...and MANY more!

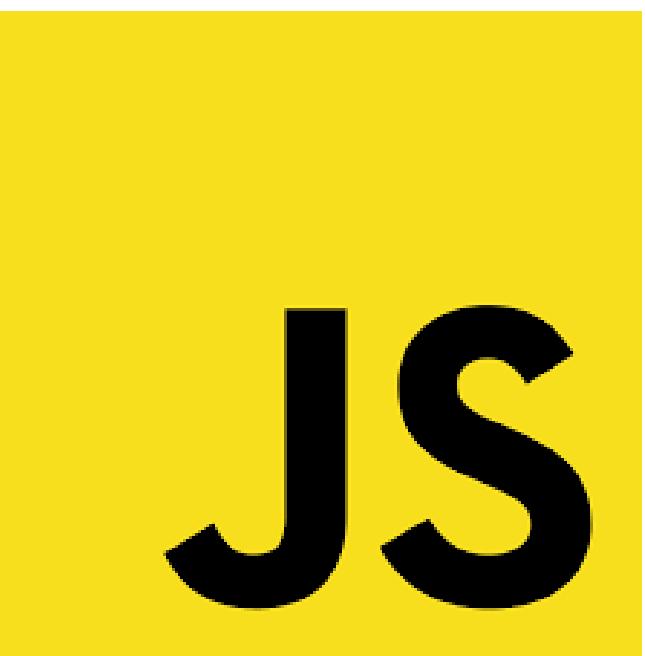
FRAMEWORKS

Benefits

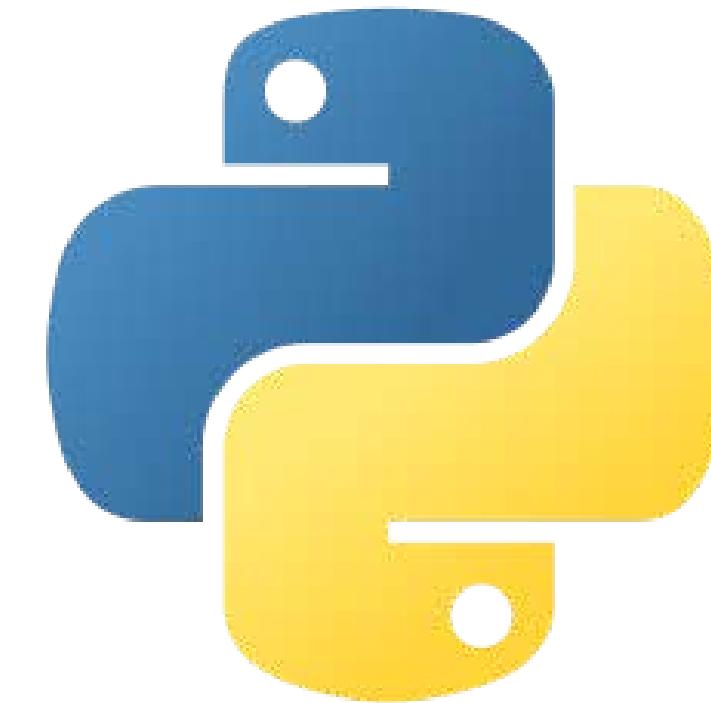
- Accelerated Development
- Easy Code Reusability
- Improved Code Efficiency
- Enhanced Security
- Easy Debugging Process



FRAMEWORKS



JS FRAMEWORKS



PYTHON FRAMEWORKS



django

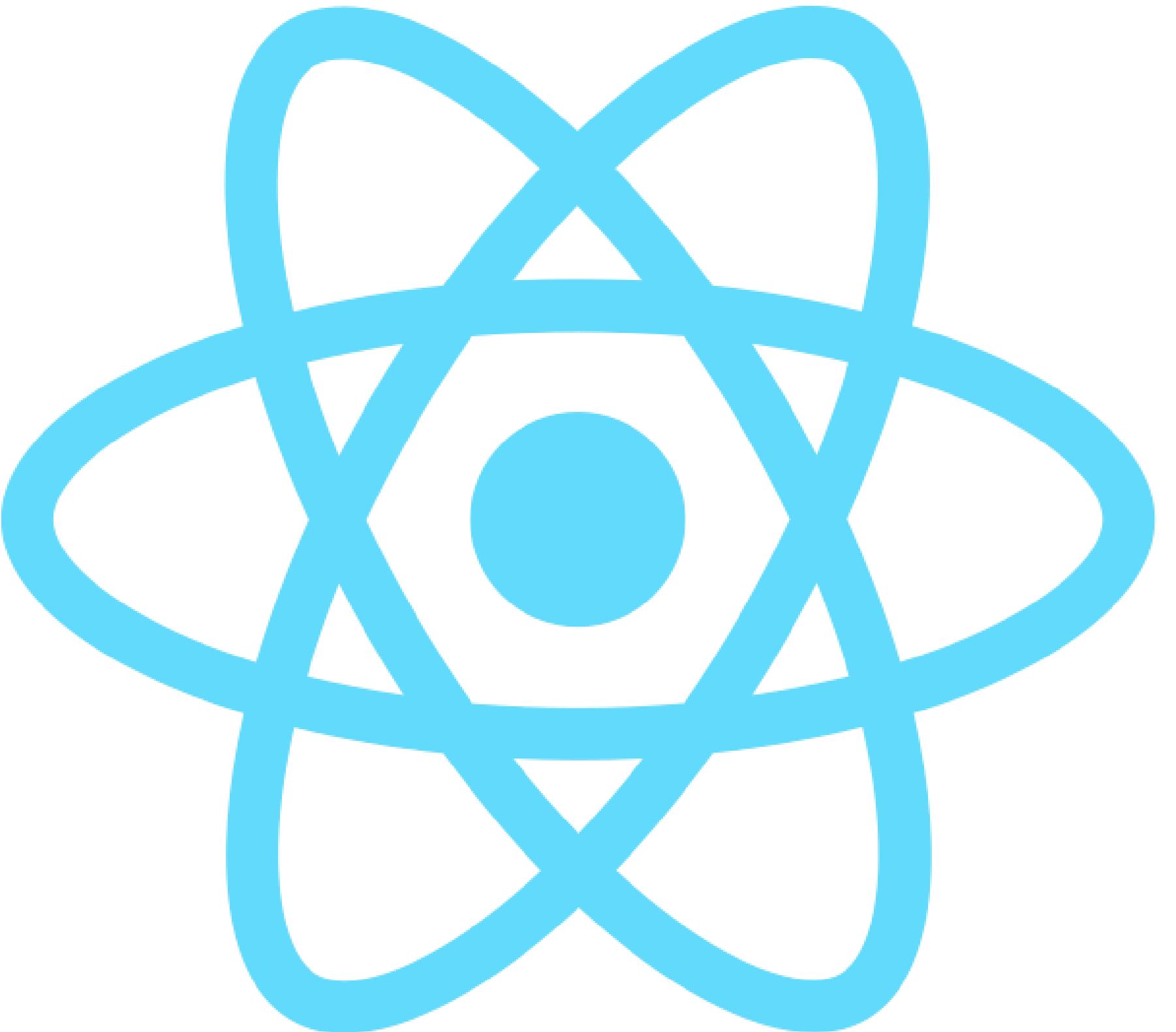


Flask
web development,
one drop at a time

FRAMEWORKS

React.js

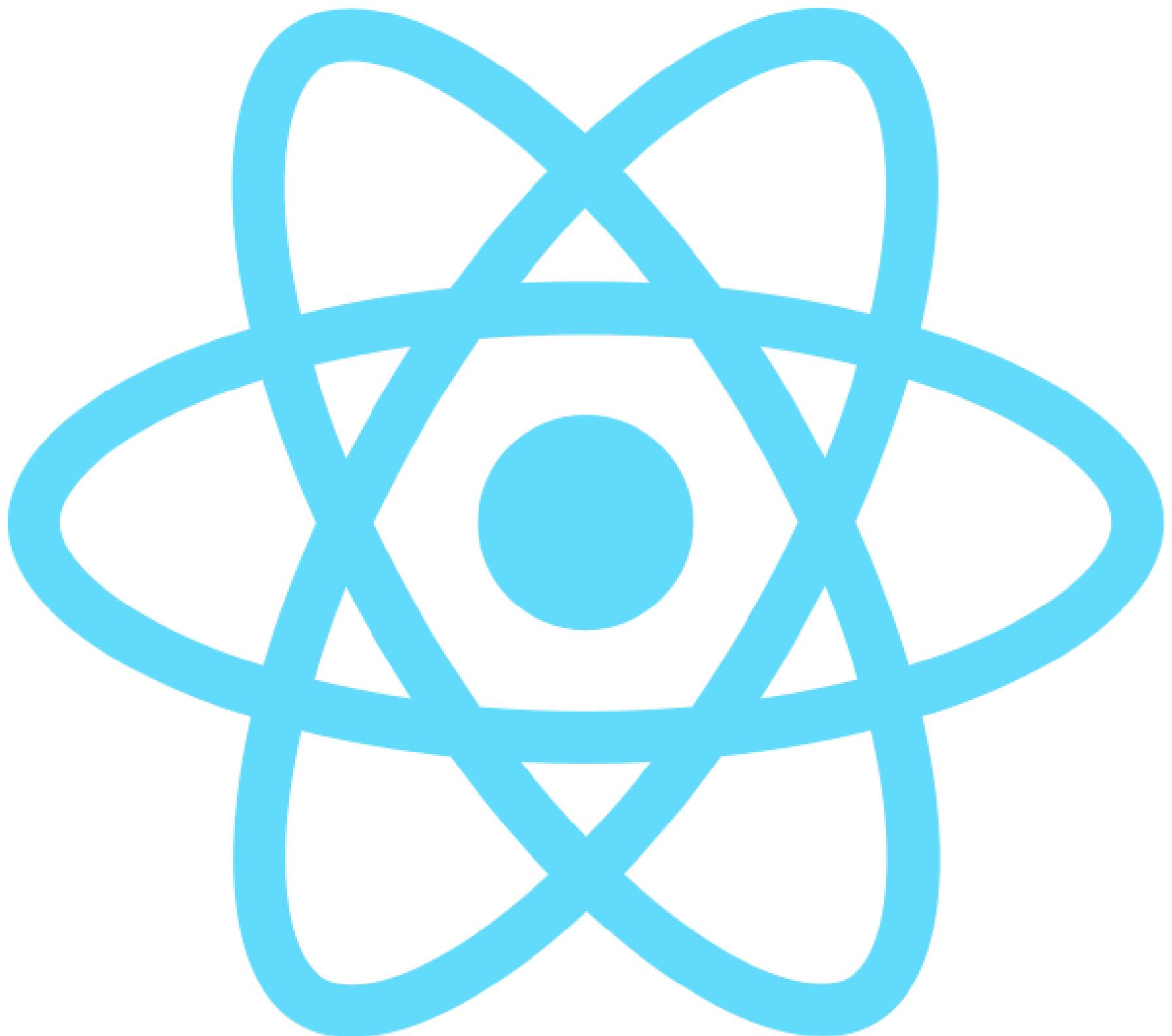
- Is a framework
- Renders user interface (UI)



FRAMEWORKS

React.js

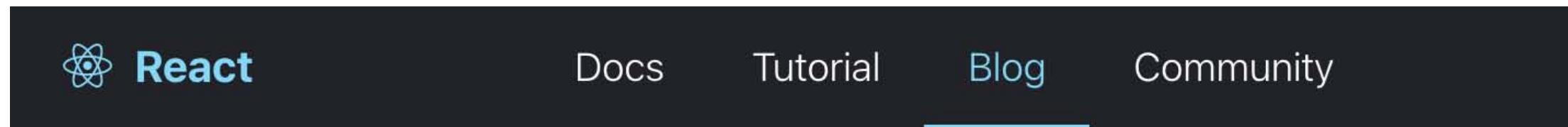
- Is a ~~framework~~
- Renders user interface (UI)



FRAMEWORKS

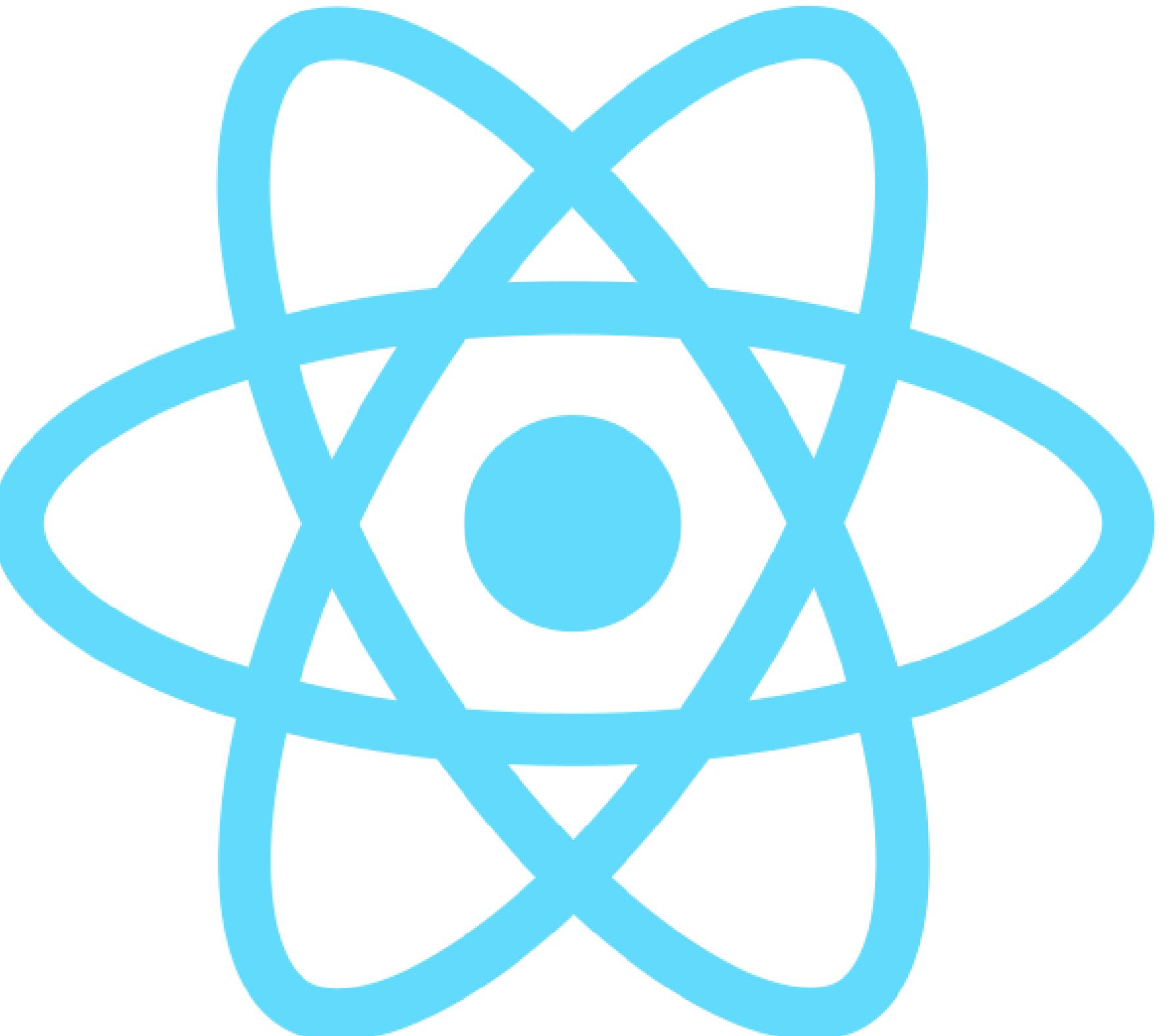
React.js

- Is a ~~framework~~
- Renders user interface (UI)



React isn't an MVC framework.

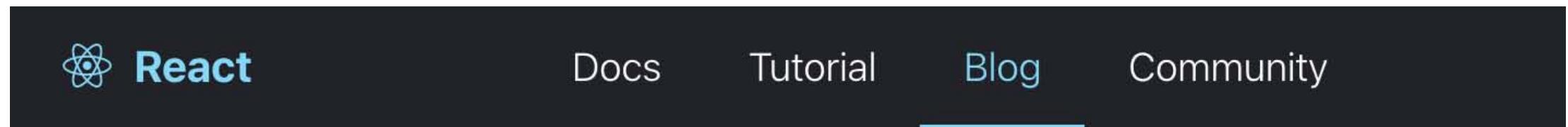
React is a library for building composable user interfaces. It encourages the creation of reusable UI components which present data that changes over time.



LIBRARIES

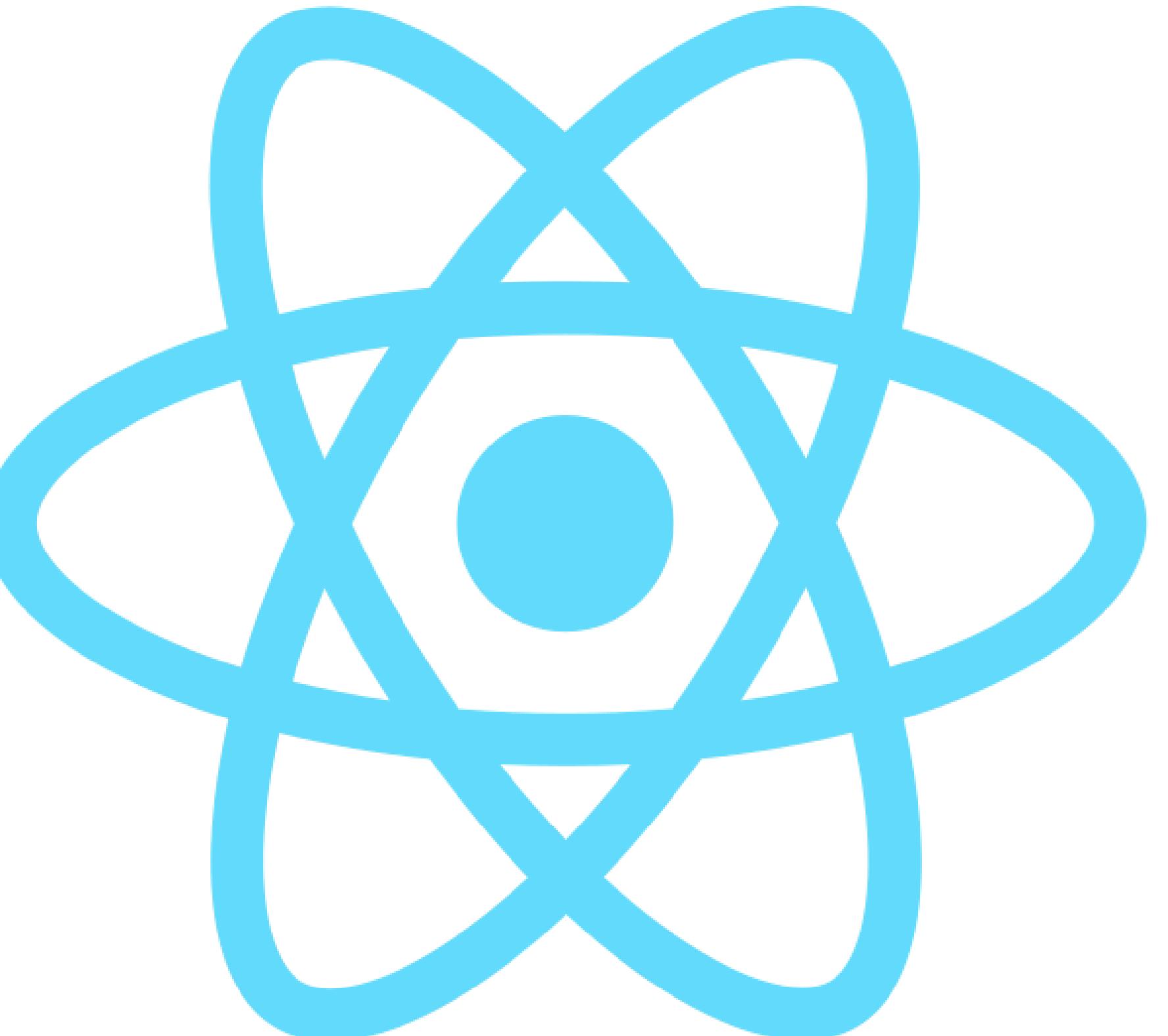
React.js

- Is a library
- Renders user interface (UI)



React isn't an MVC framework.

React is a library for building composable user interfaces. It encourages the creation of reusable UI components which present data that changes over time.



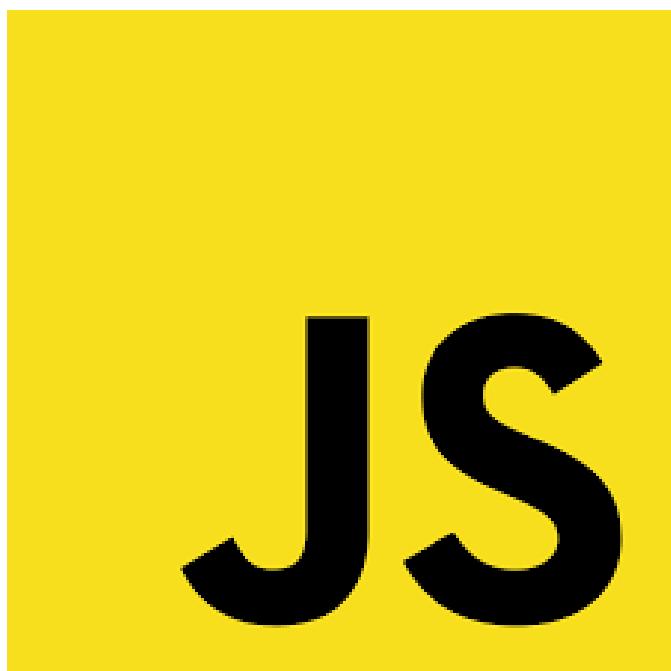
LIBRARIES

Benefits

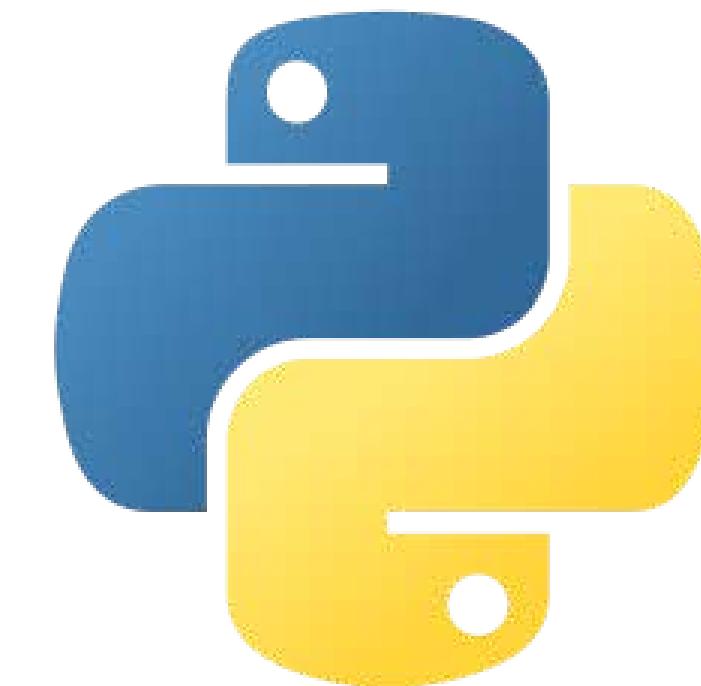
- Accelerated Development
- Easy Code Reusability
- Used only for specific tasks
- Choose the libraries you want for each project
- Easier to replace parts than within a framework



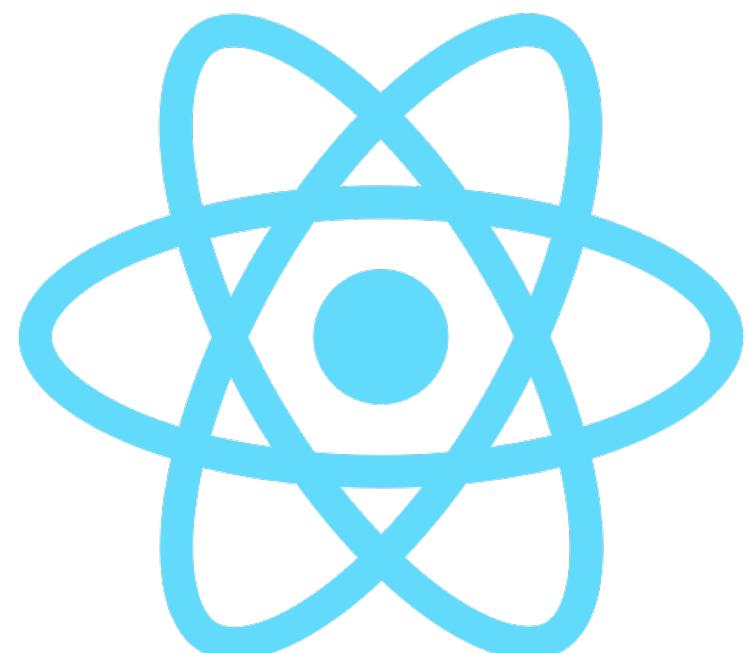
LIBRARIES



JS LIBRARIES



PYTHON LIBRARIES



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FULL STACK DEVELOPMENT

FRONT-END DEVELOPMENT

HTML



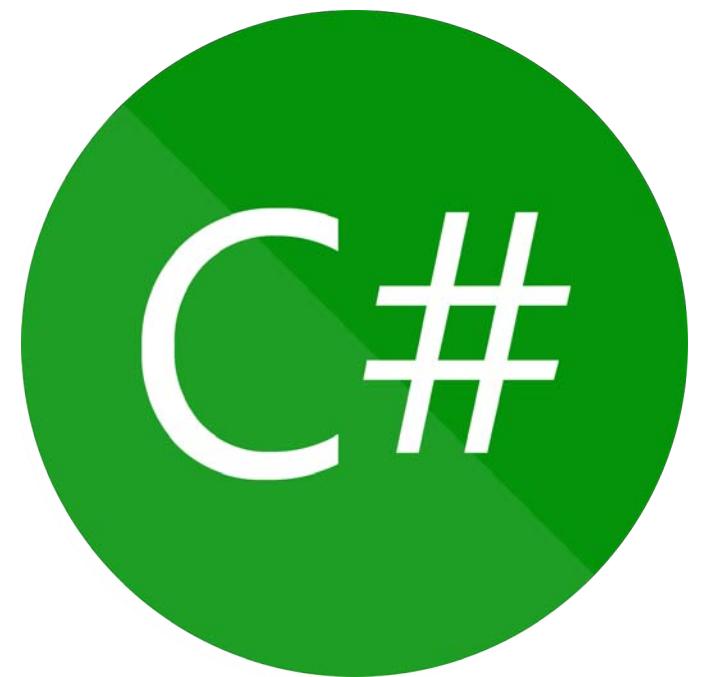
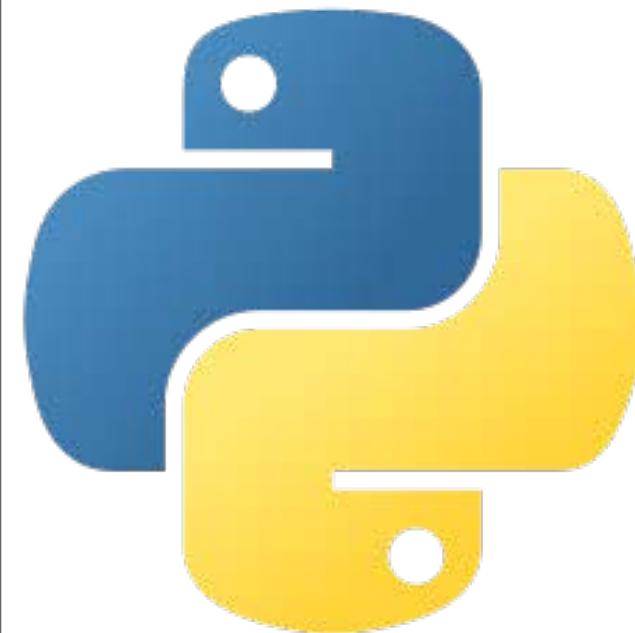
CSS



ES6*
JS

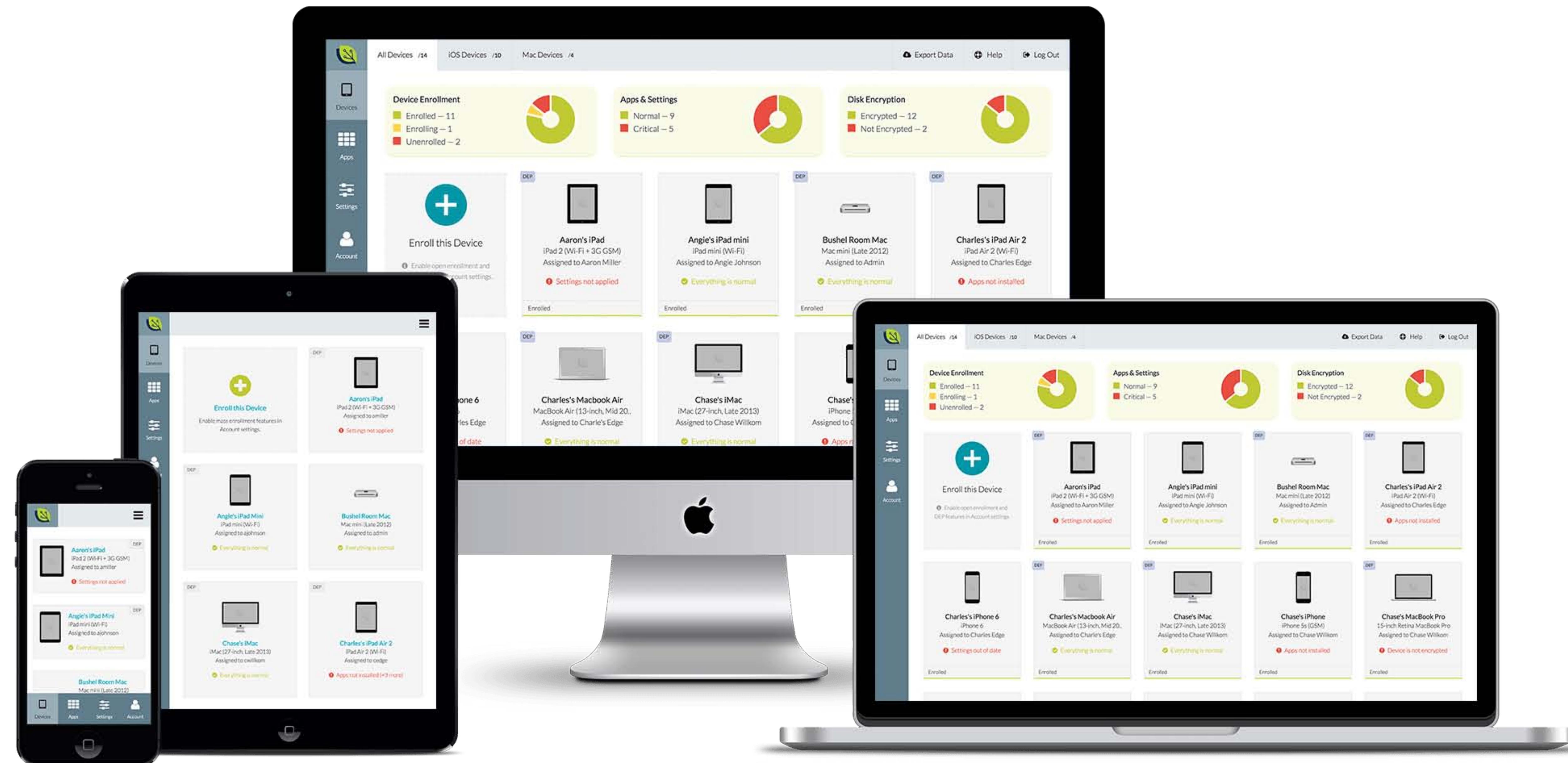
*ECMAScript 6

BACK-END DEVELOPMENT



...and MANY more!

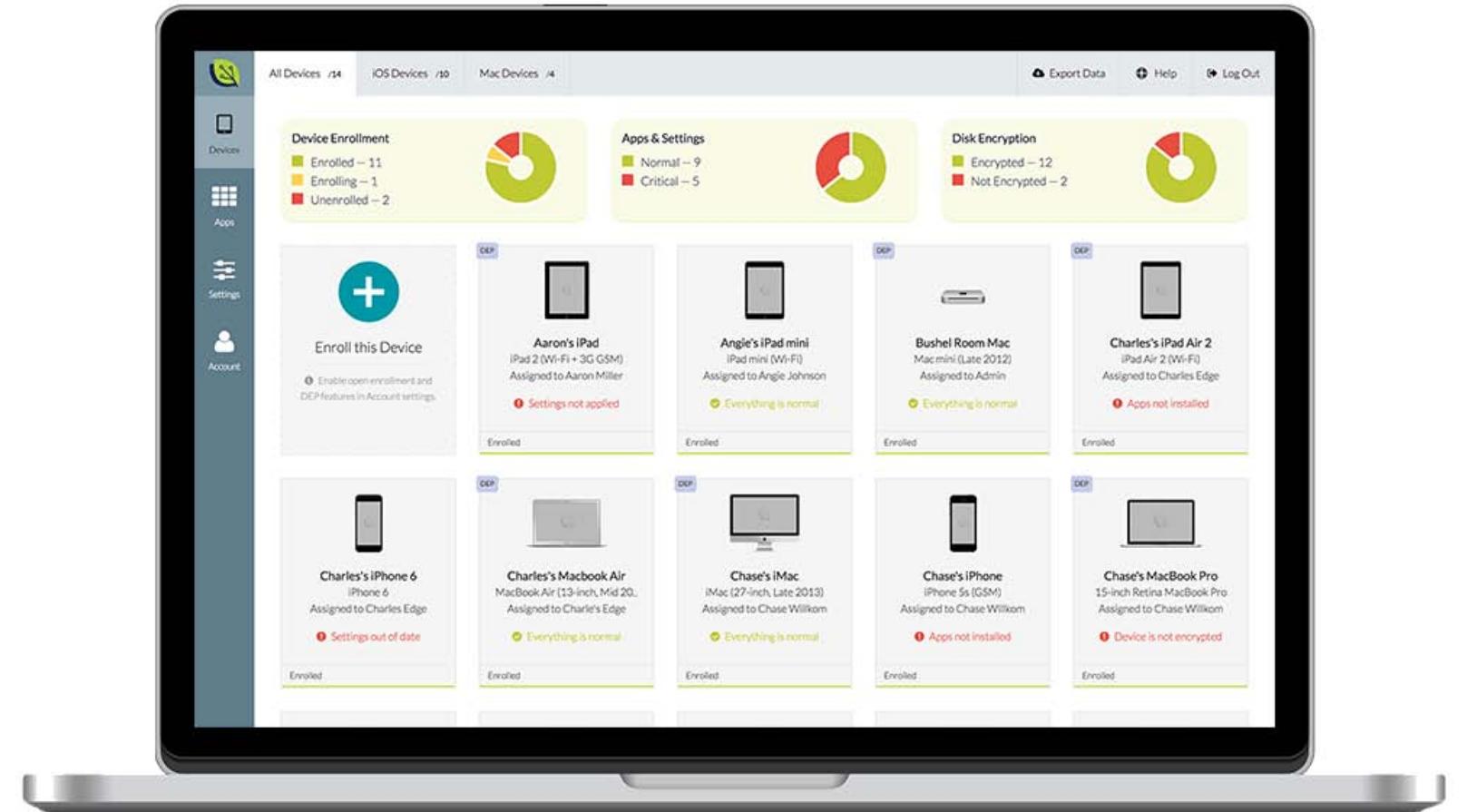
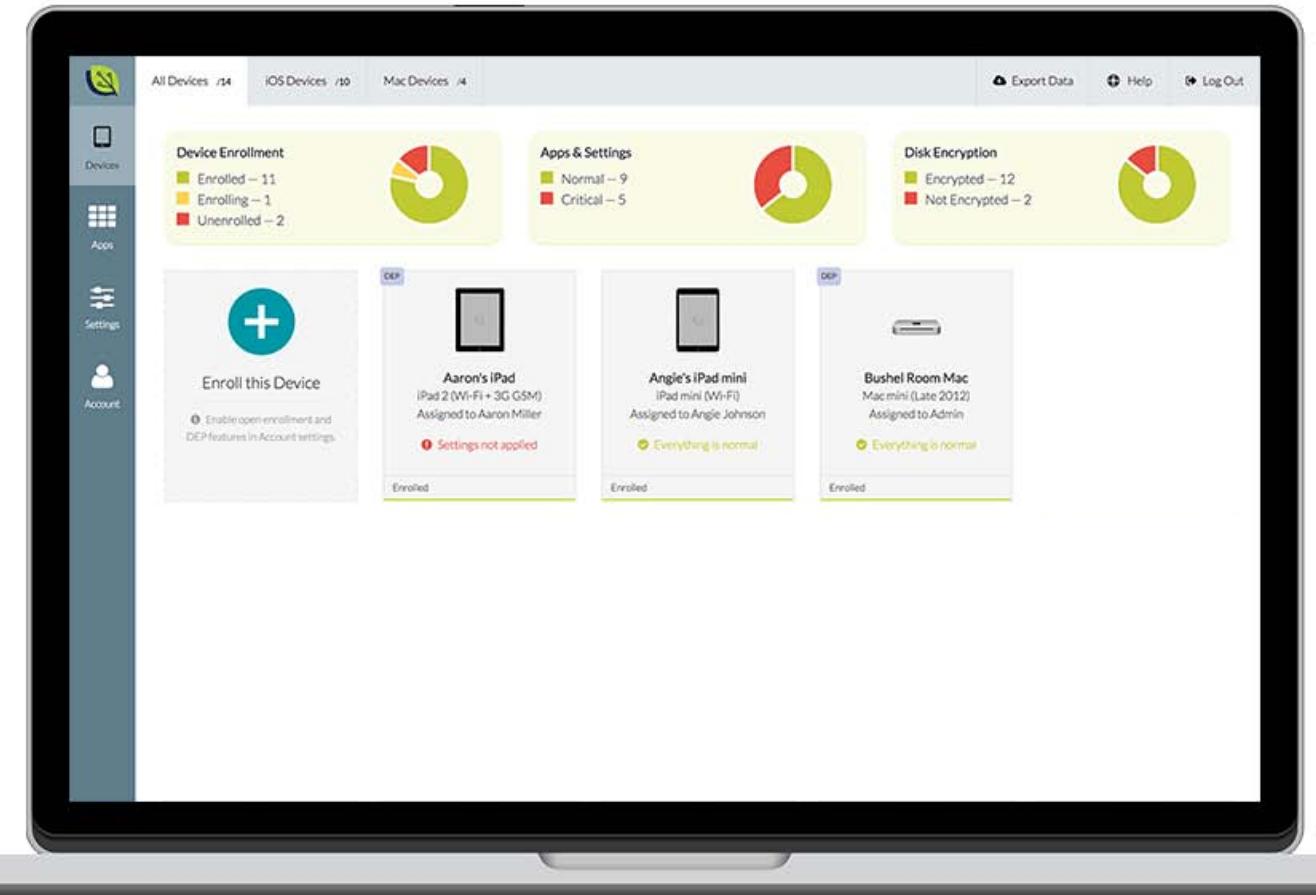
VERSION CONTROL



VERSION CONTROL



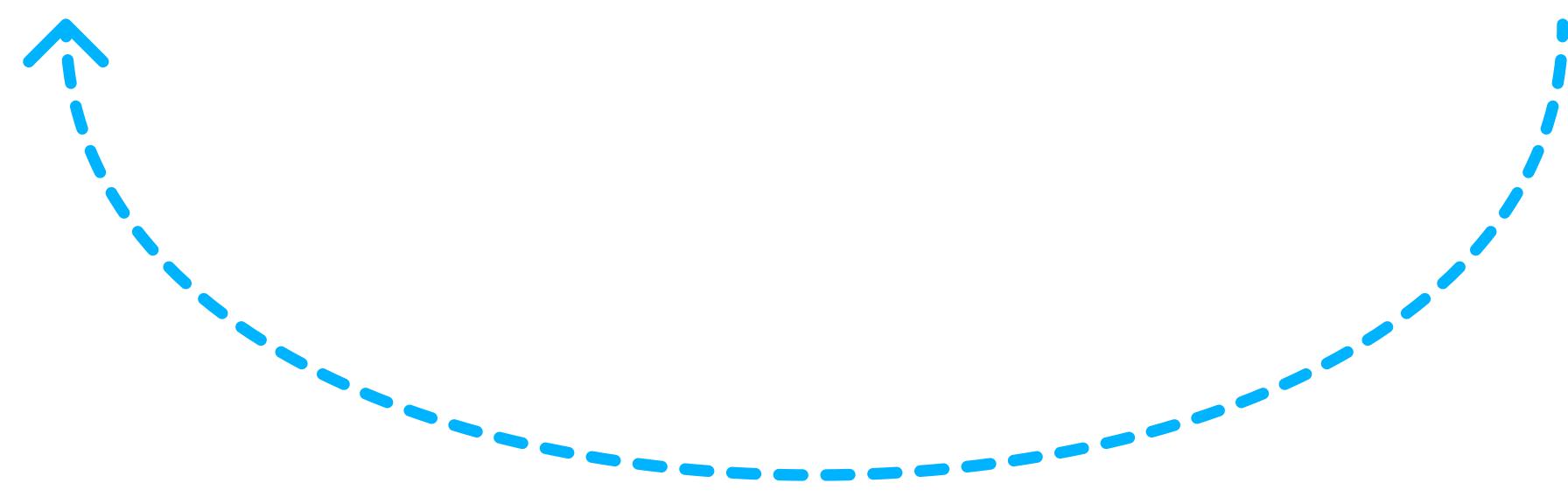
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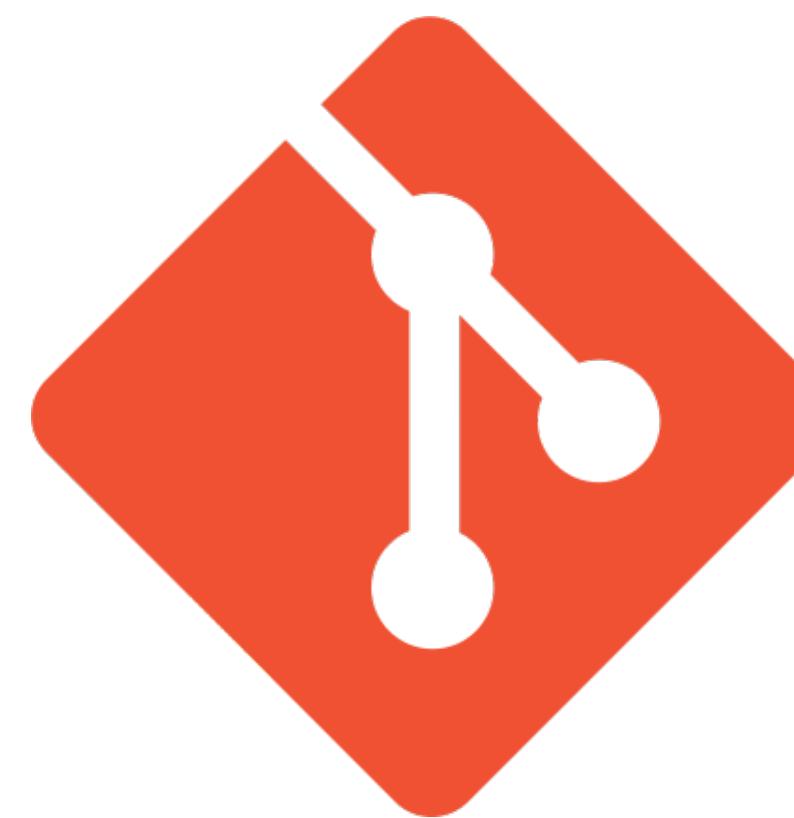
1

2

3

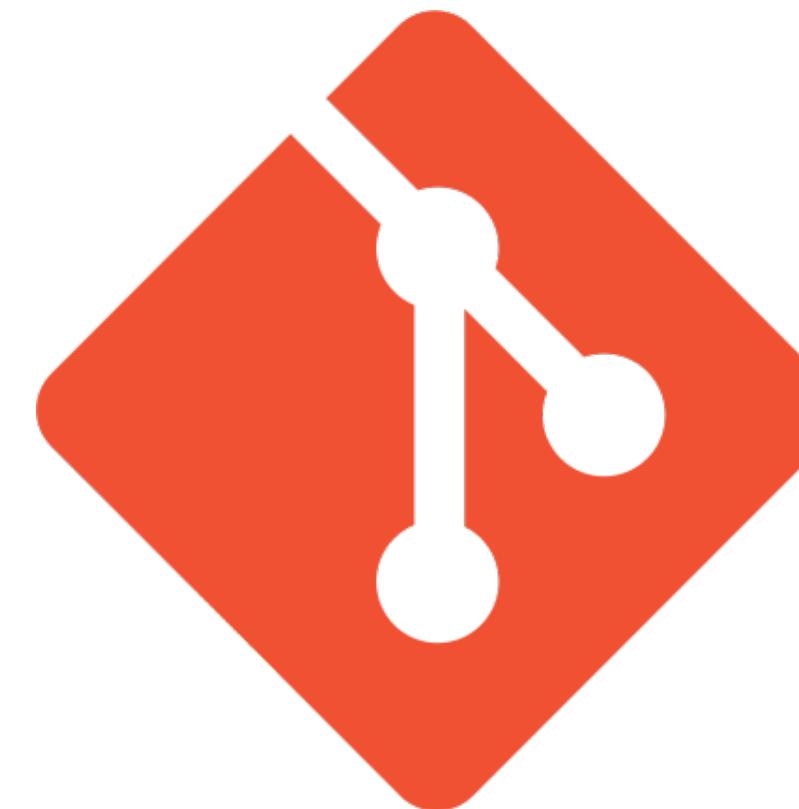


VERSION CONTROL



git

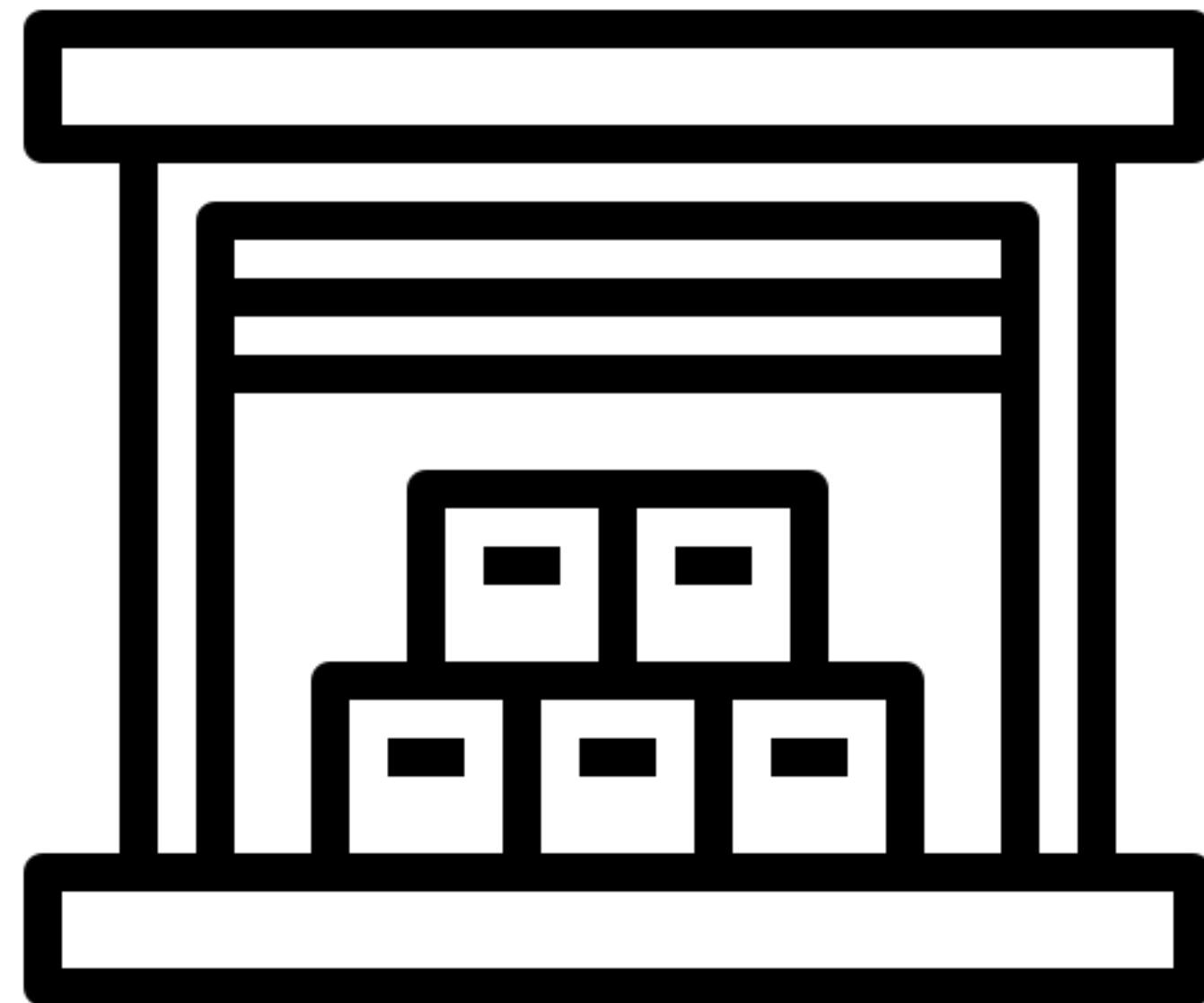
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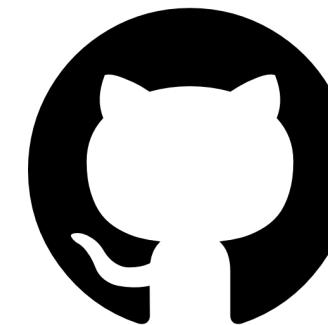


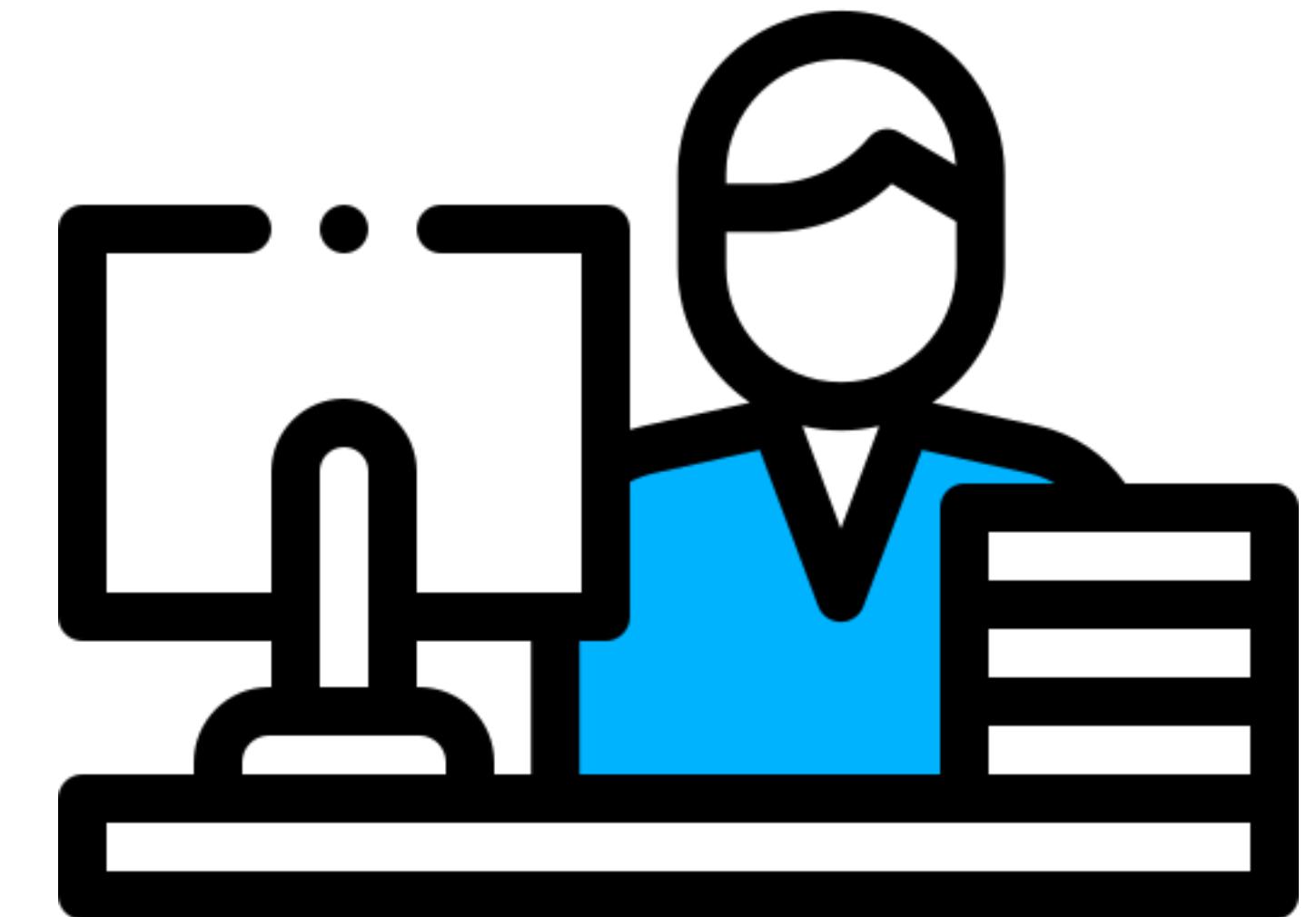
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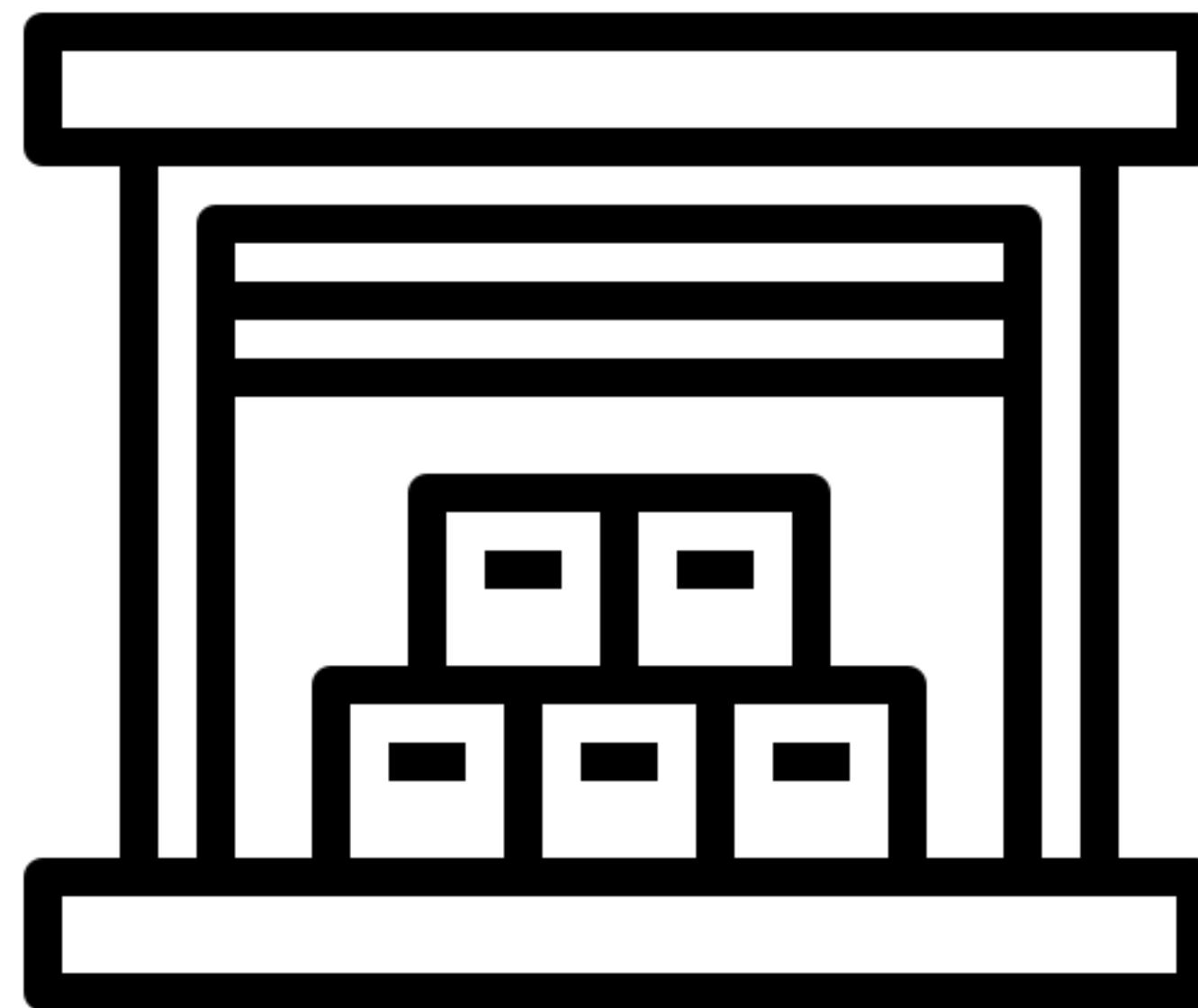


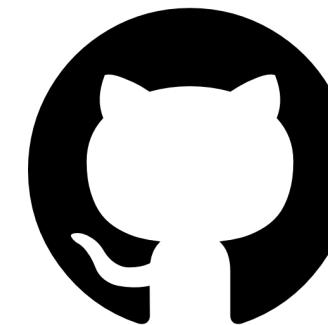
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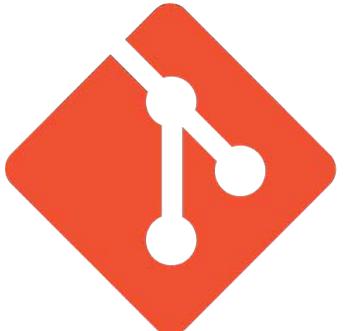


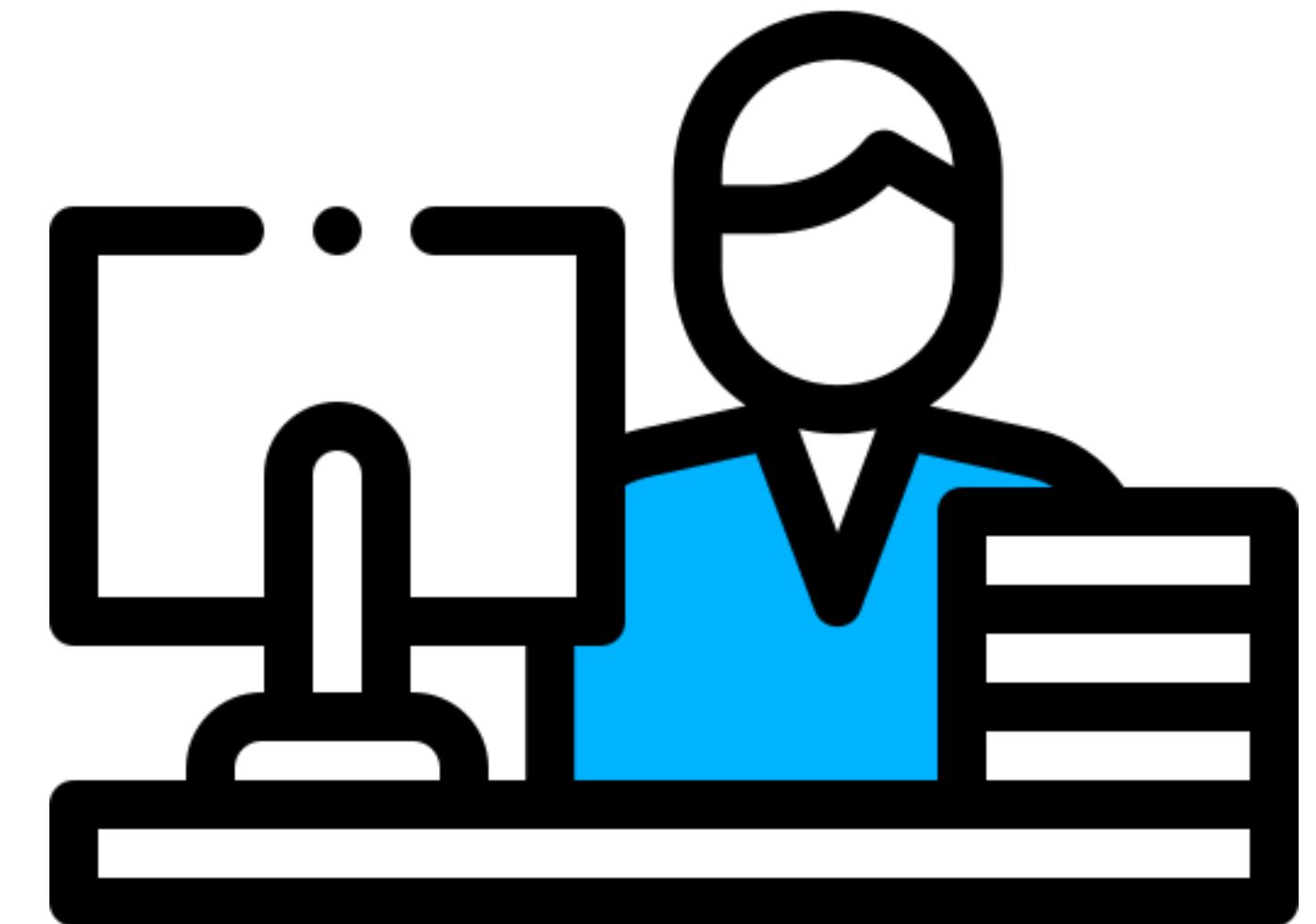
YOU!

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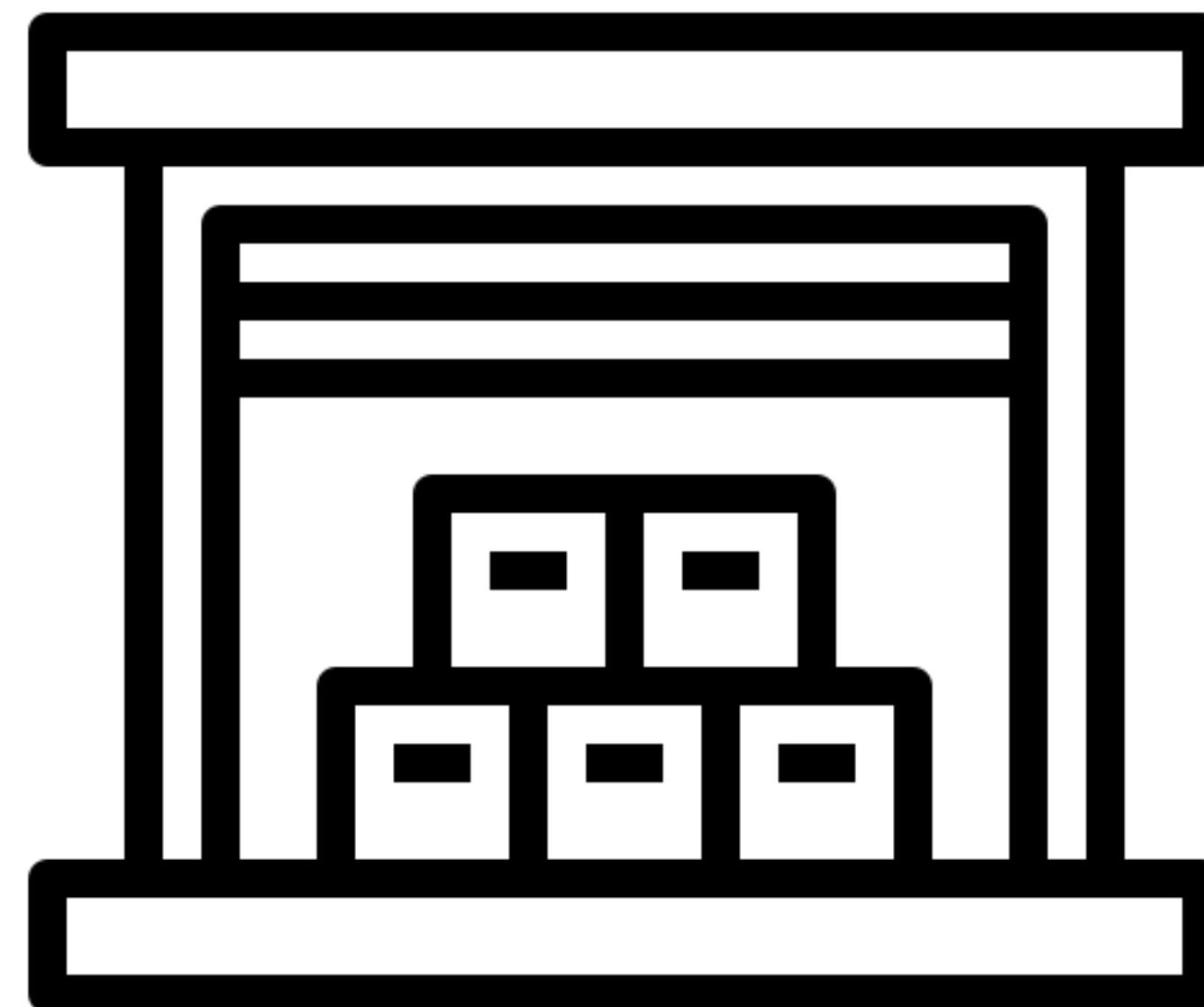
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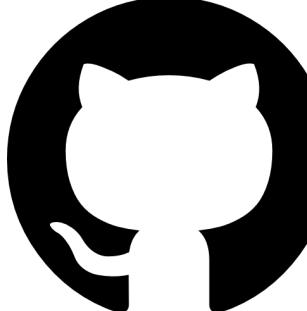
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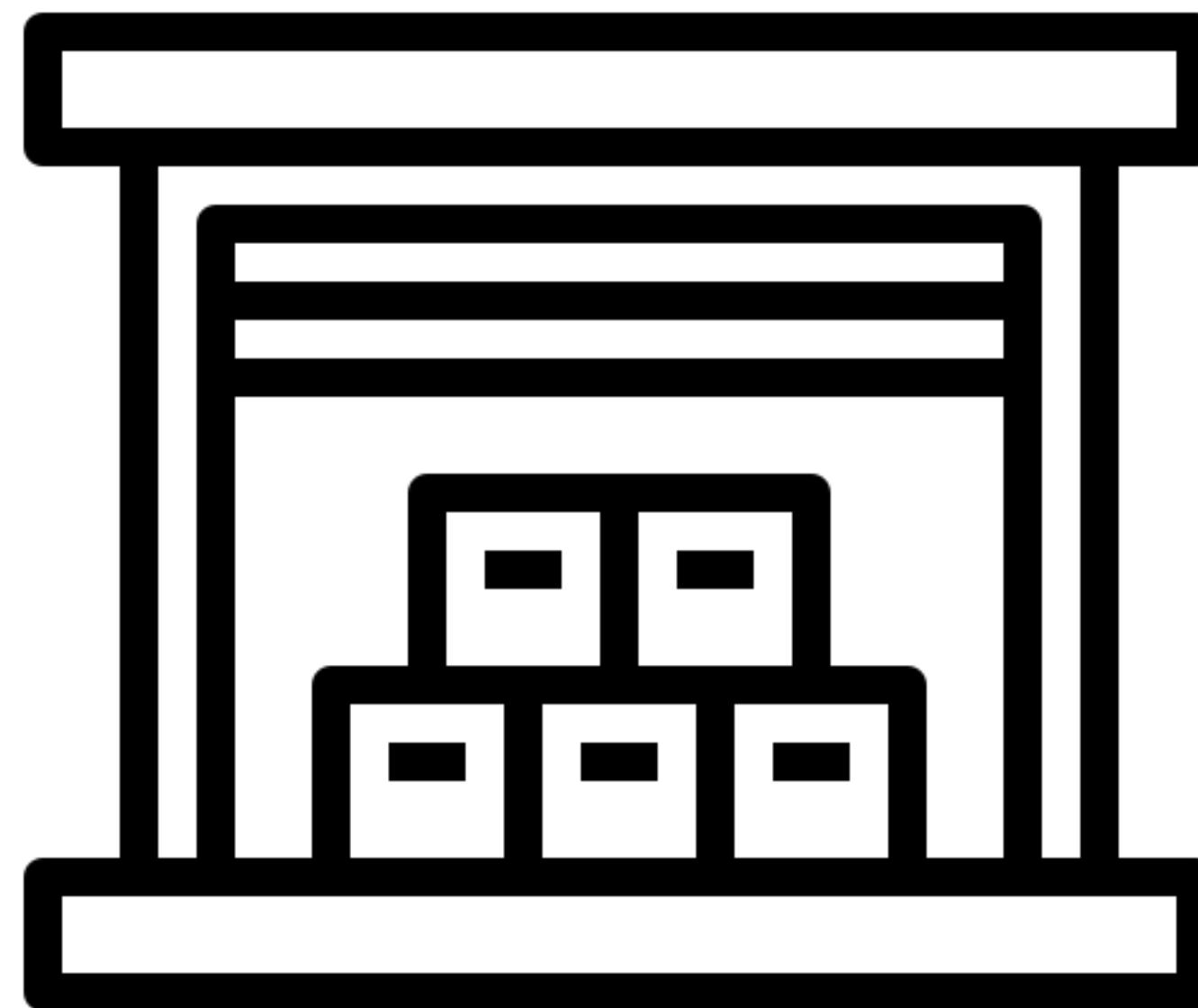


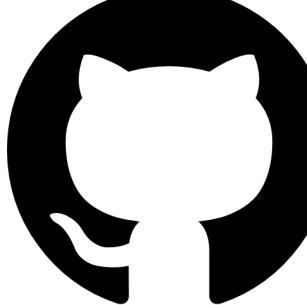
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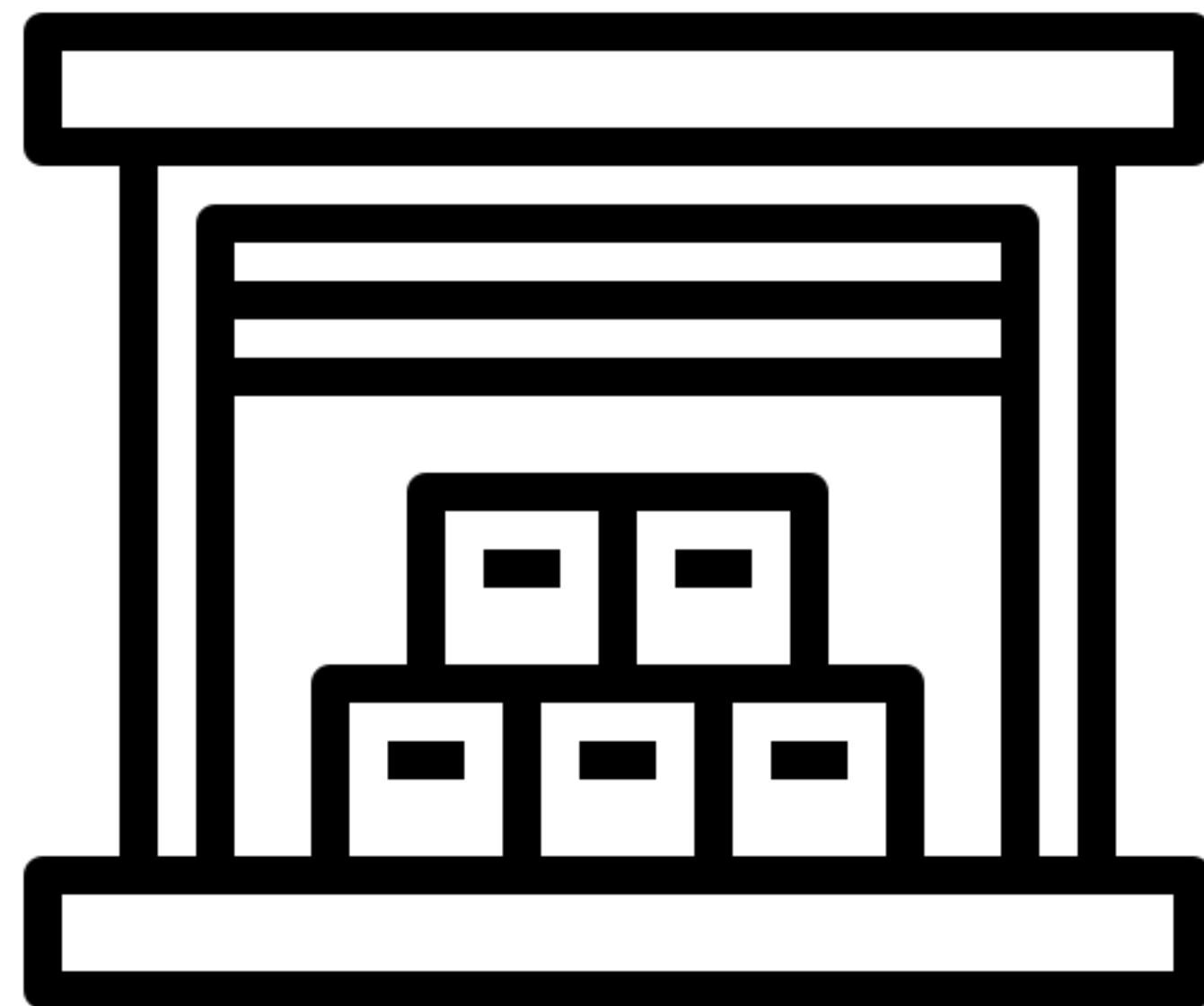


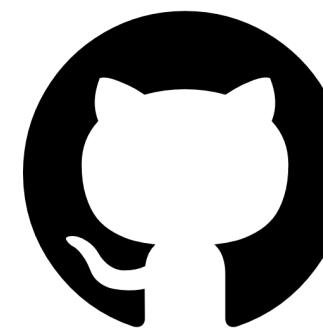
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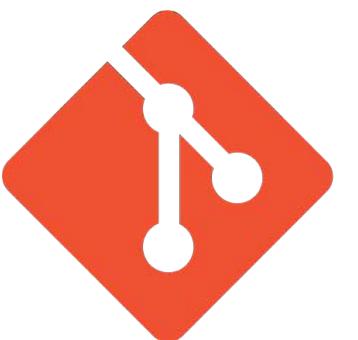


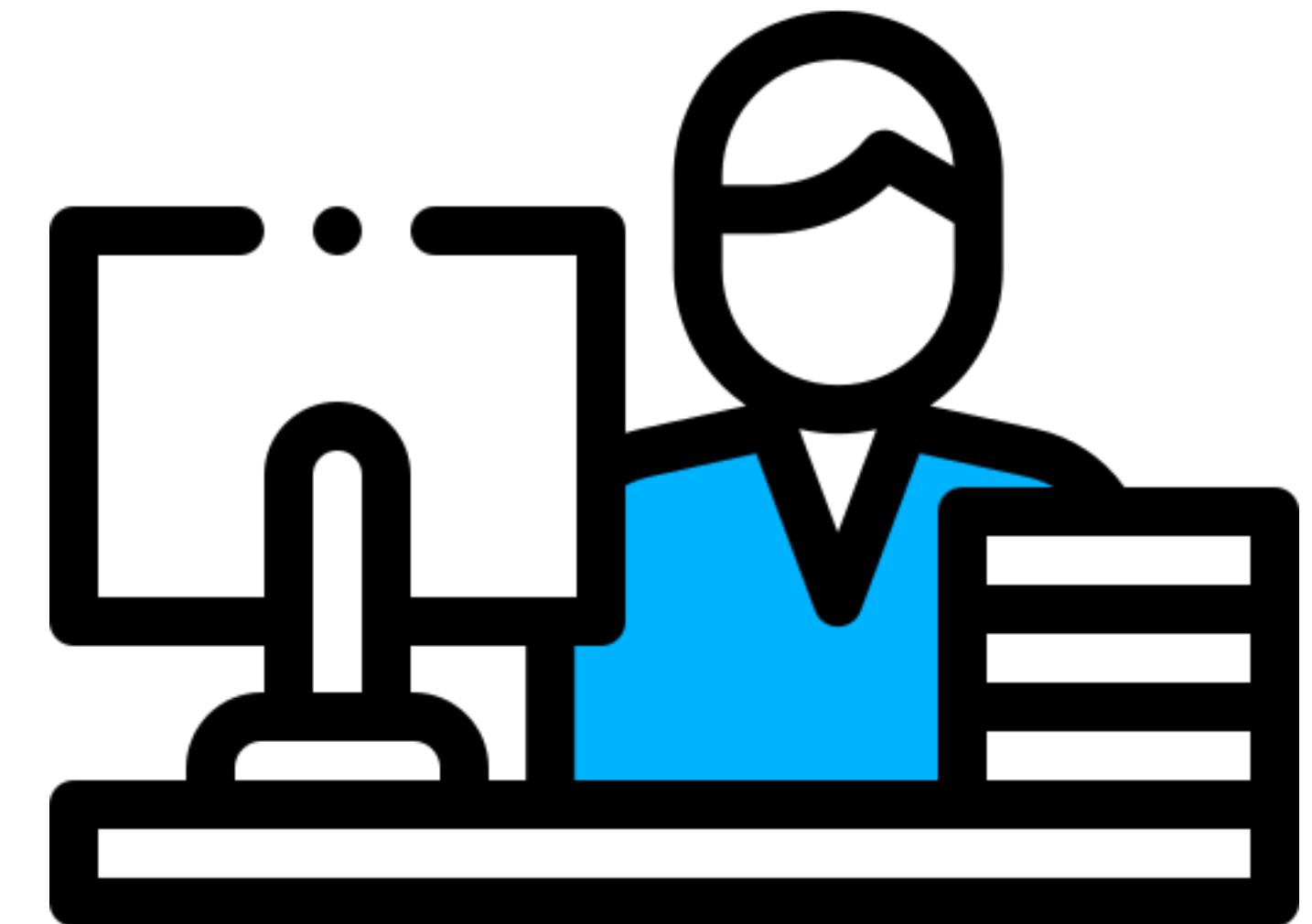
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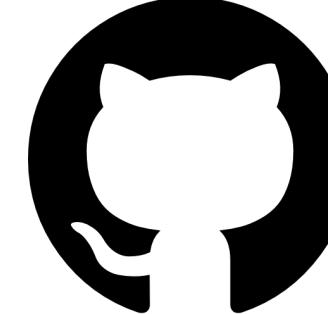
 git

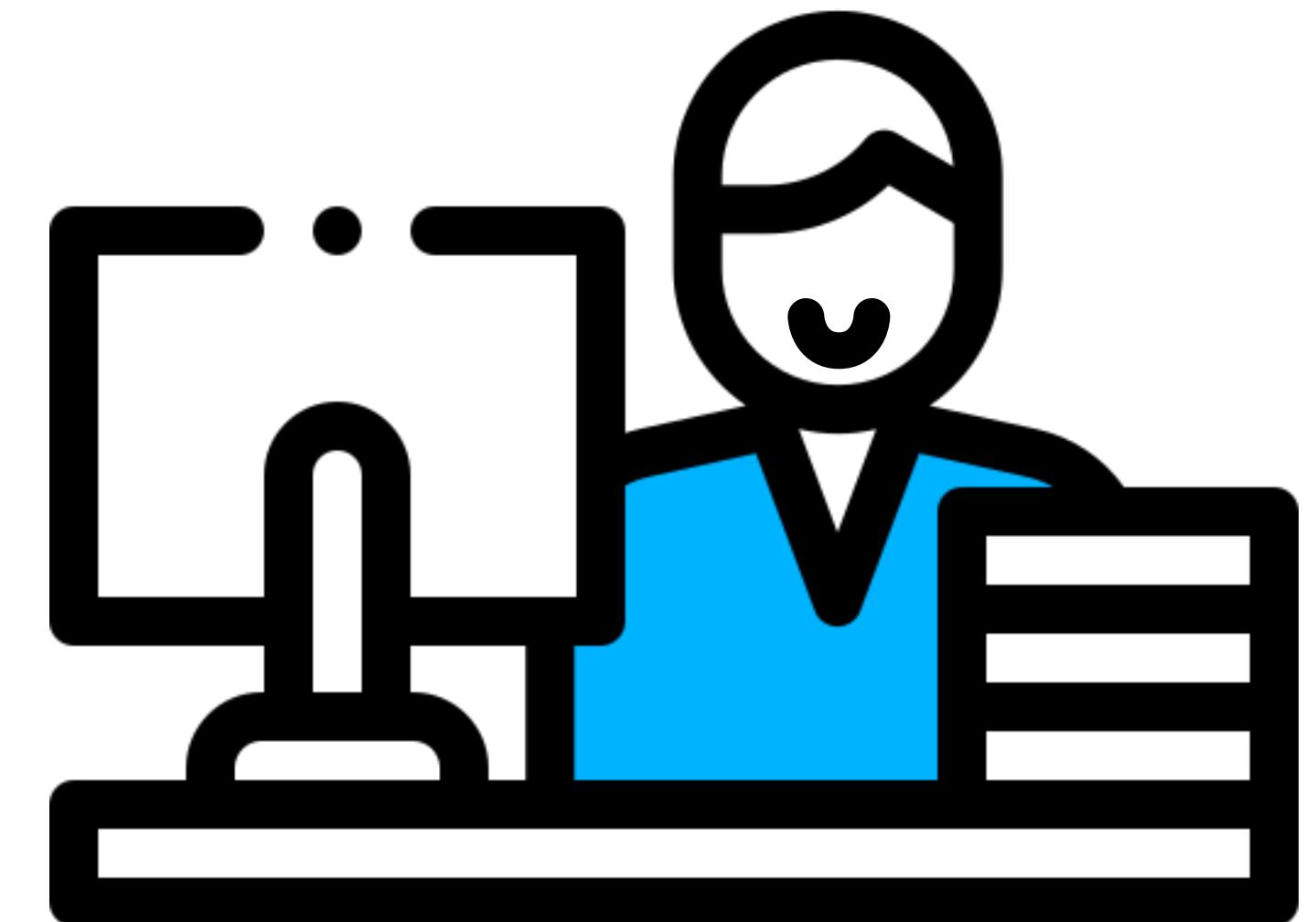


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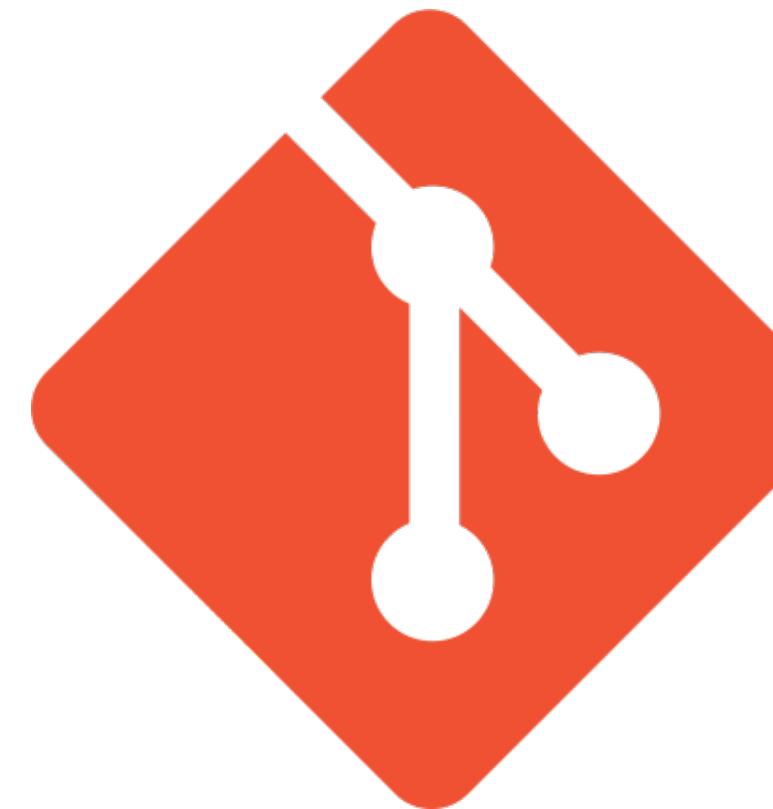


 GitHub

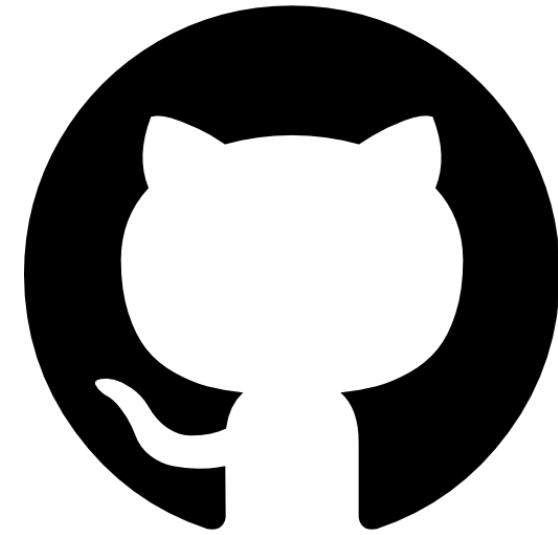


YOU!

VERSION CONTROL



git



GitHub



Bitbucket



GitLab



SOURCEFORGE

VERSION CONTROL



FULL STACK DEVELOPMENT

FRONT-END DEVELOPMENT

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CSS

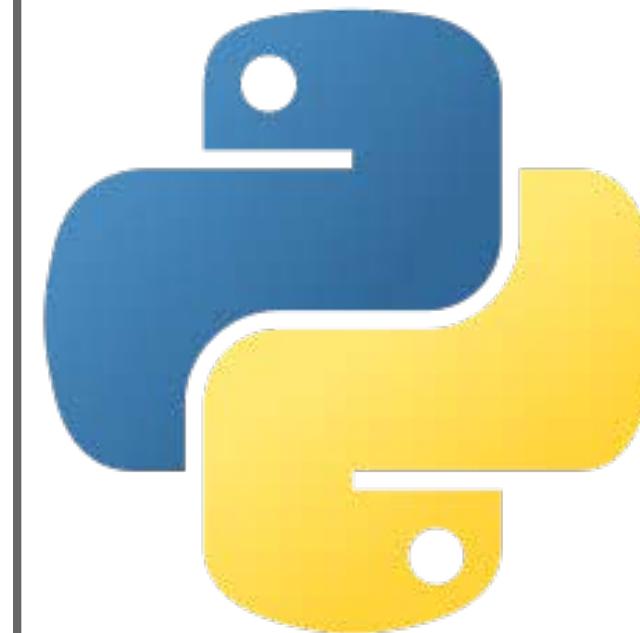


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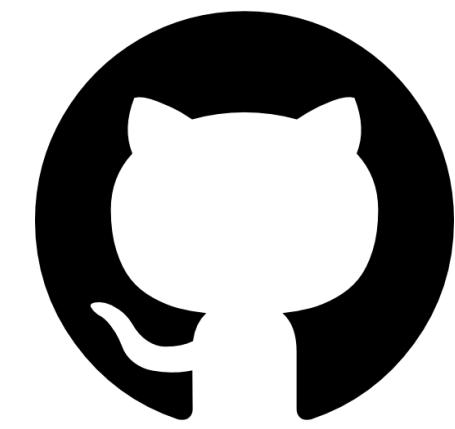


*ECMAScript 6

BACK-END DEVELOPMENT

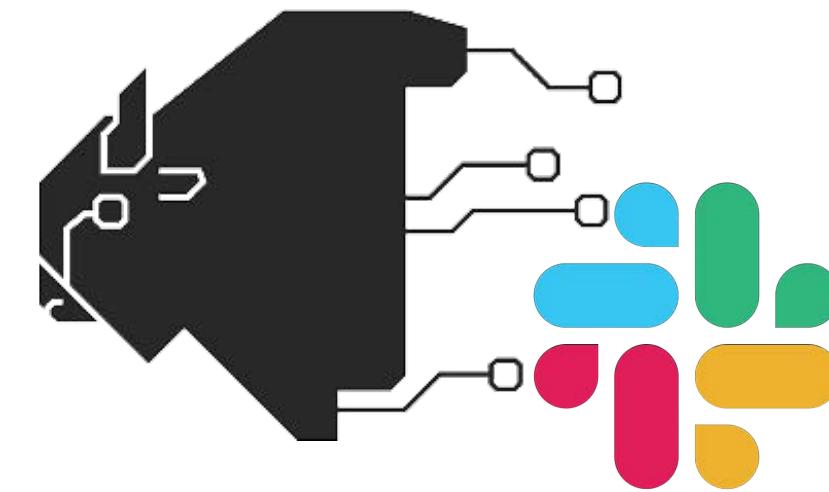


...and MANY more!



GitHub

github.com/tatia-wallin



Tatia (... it's Tasha)



Tatia Wallin