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👩‍💻 Software Engineer at **Skillshare**
🚩 GitHub Campus Expert
🤓 Community Leader

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SKILL
SHare.

Skillshare

+

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SKILL SHARE.

APIs at Skillshare

Technologies

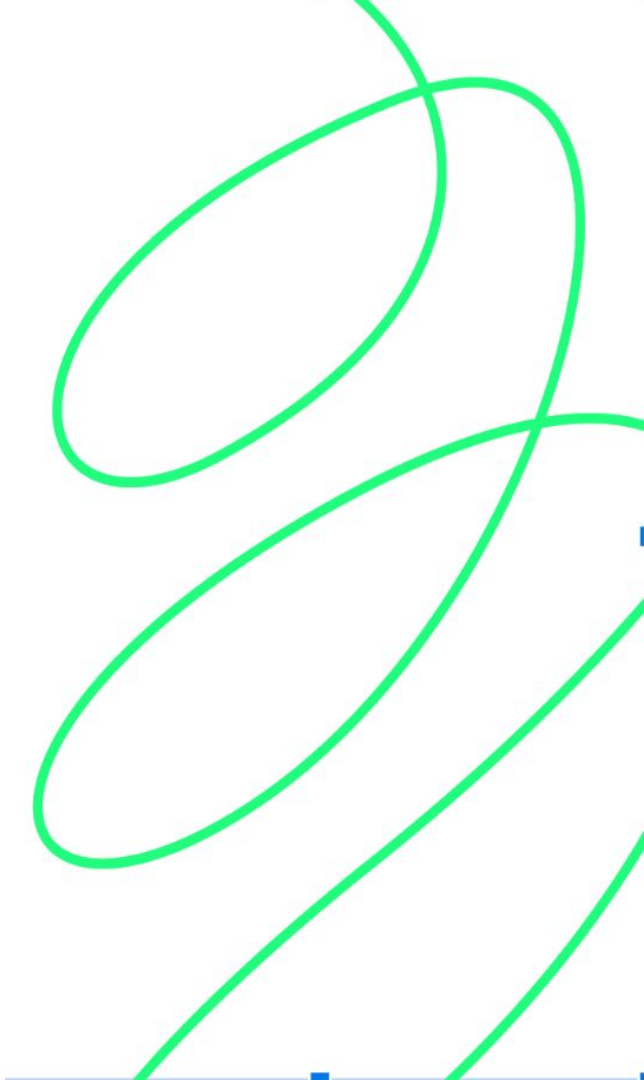
GraphQL (with apollo) + REST APIs.
NodeJS + typescript, PHP, Kubernetes.
Jest, end-to-end Testing.
React, Backbone, NextJs.

SKILL SHARE.

What is Skillshare?

Skillshare is an online learning community with thousands of inspiring classes for creative and curious people, on topics including illustration, design, photography, video, freelancing, and more.

On Skillshare, millions of members come together to find inspiration and take the next step in their creative journey.



SKILL SHARE.

Mission

Inspire discovery through creativity.

At Skillshare, we believe that when we create, we discover who we are. We've seen again and again how the seemingly simple act of creating can be a force for growth and change in people's lives. We want to inspire creative exploration, and expand the power of expression, learning and discovery.

We Empower

Members to:
Get inspired. Learn new skills. Make discoveries.

Teachers to:
Share expertise. Earn money. Give back.

Employees to:
Be curious. Make an impact. Live a full life.

SKILL SHARE.

Strategic Principles

1: We are a content company.

2: There is power in being an open platform AND a publisher.

3: Teacher success is our success.

4: We believe in the power of community.

5: We believe in learning by doing.

Working at Skillshare

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Skillshare Company Values

TRANSPARENCY
Open, direct, authentic. We share as much as we can, and expect maturity to handle it.

CURIOSITY
Inquisitive, growth mindset. Grow, evolve, and seek feedback and understanding.

COMMUNITY
One team, collaborative, empathetic. “If you want to go fast, go alone. If you want to go far, go together.”

IMPACT
Results-driven, grit, GSD. Work hard on things that drive results and make a difference.

SKILL SHARE.

Perks and Benefits

1 Benefits

- Competitive Salaries
- Health Insurance
- Parental leave

2 Flexibility

- Work from home Tuesdays
- Work from anywhere for up to one month after your first year
- One-month sabbatical or bonus after three years

3 Development

- Learning and conference stipend
- Ongoing manager training with LifeLabs
- Inclusion workshops with Paradigm

4 Perks

- Laptop and monitor
- Quarterly company outings
- Quarterly Business Reviews in NYC (dependent on Visa)

SKILL SHARE.

Looking for more info?

- **About Skillshare:** https://vimeo.com/380822492
- **Careers Page:** https://www.skillshare.com/careers
- **Skillshare Blog:** https://www.skillshare.com/blog/company-page
- **Company Culture:** https://www.builtinnyc.com/company/skillshare
- **5 best places to work for Women:** https://www.bpeace.org/events/423-bpeace-announces-the-five-best-places-to-work-for-women

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Building a Rest API using Express.js

Goals

👉 Learn about APIs and Rest APIs
👉 Create a CRUD using Express.js
👉 Connect your API to MongoDB

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API BASICS

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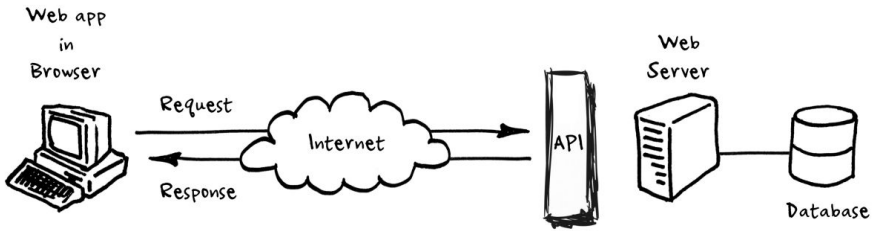
API basics

API

Application **P**rogramming **I**nterface

👉 Interface that allows communication between different software products.
👉 Establishes the rules for communication.



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API basics

API

Basic Operations (CRUD):

👉 **C**reate
👉 **R**ead
👉 **U**pdate
👉 **D**elete

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API basics

REST

REpresentational **S**tate **T**ransfer
Design pattern for communication using HTTP

HTTP Verbs:

👉 **GET**: Obtain data
👉 **POST**: Add data
👉 **PUT**: Update or Replace data
👉 **PATCH**: Modify data
👉 **DELETE**: Remove data

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API basics

Node.js & Rest APIs

Node.js is built to create concurrent APIs with low computing cost.

🚫 Machine Learning
🚫 Big math operations
🚫 Big data

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Express.js

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WHAT IS EXPRESS.JS?

Standard framework to build APIs using Node.js
😍 Free and Open Source

Some features:
👉 Error handling
👉 Routing
👉 Middlewares

MongoDB

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MongoDB

WHAT IS MONGODB?

👉 NoSQL database

```
{
  name: "Manuela",
  lastname: "Castrillon",
  company: "Skillshare",
  age: 24
}
```

👉 Works really well with Express.js using **Mongoose**

😍 Free and Open Source + Community 💖

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HANDS ON 👩‍💻

https://manucastrillonm.gitbook.io/express-js/

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Hands On

EXPRESS GENERATOR

Quickly creates the application skeleton

```
> npx express-generator [app-name]
> cd [app-name]
> npm install
```

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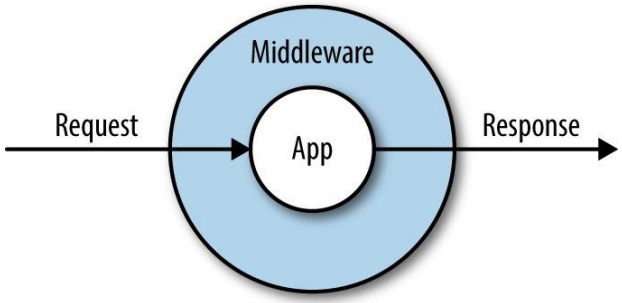
Hands On

MIDDLEWARE

Function executed between the request and the response

👉 Transforms the request
👉 CORS policy
👉 Data access



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Hands On

ROUTES

Express.js supports 4 types of routes:

- 🌐 **Exact url:** ‘/data’
- 🌐 **REGEX:** ‘/^(data)’
- 🌐 **Global:** ‘/data/*’
- 🌐 **Params:** ‘/:id’

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Hands On

CRUD

👉 **C**reate: create

👉 **R**ead: find, findOne, findById

👉 **U**pdate: findByIdAndUpdate, findOneAndUpdate

👉 **D**elete: remove, findByIdAndRemove, findOneAndRemove

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Questions

🤔 Questions ------>

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Thank You!

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