Angular Advanced
Short recap day #1

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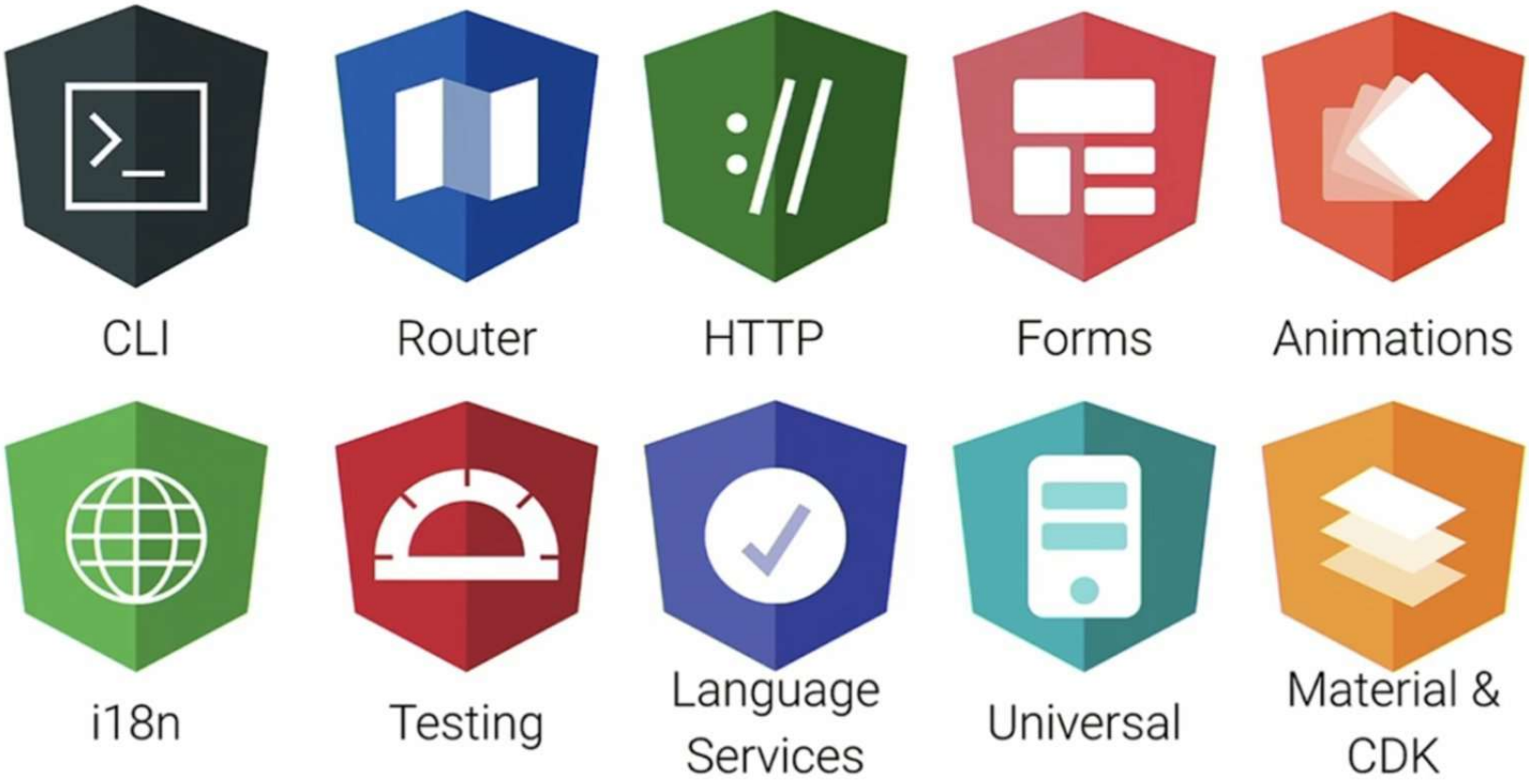
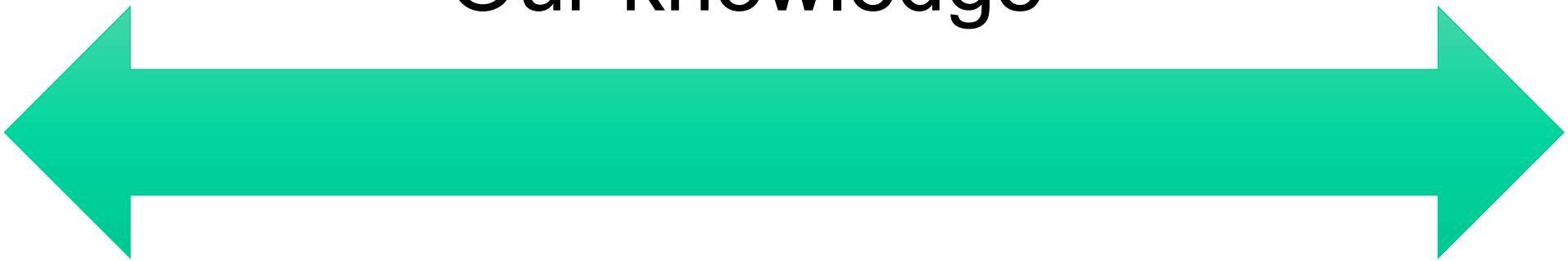
Why devs and enterprises like Angular...



“Advanced”

Broadening

Our knowledge

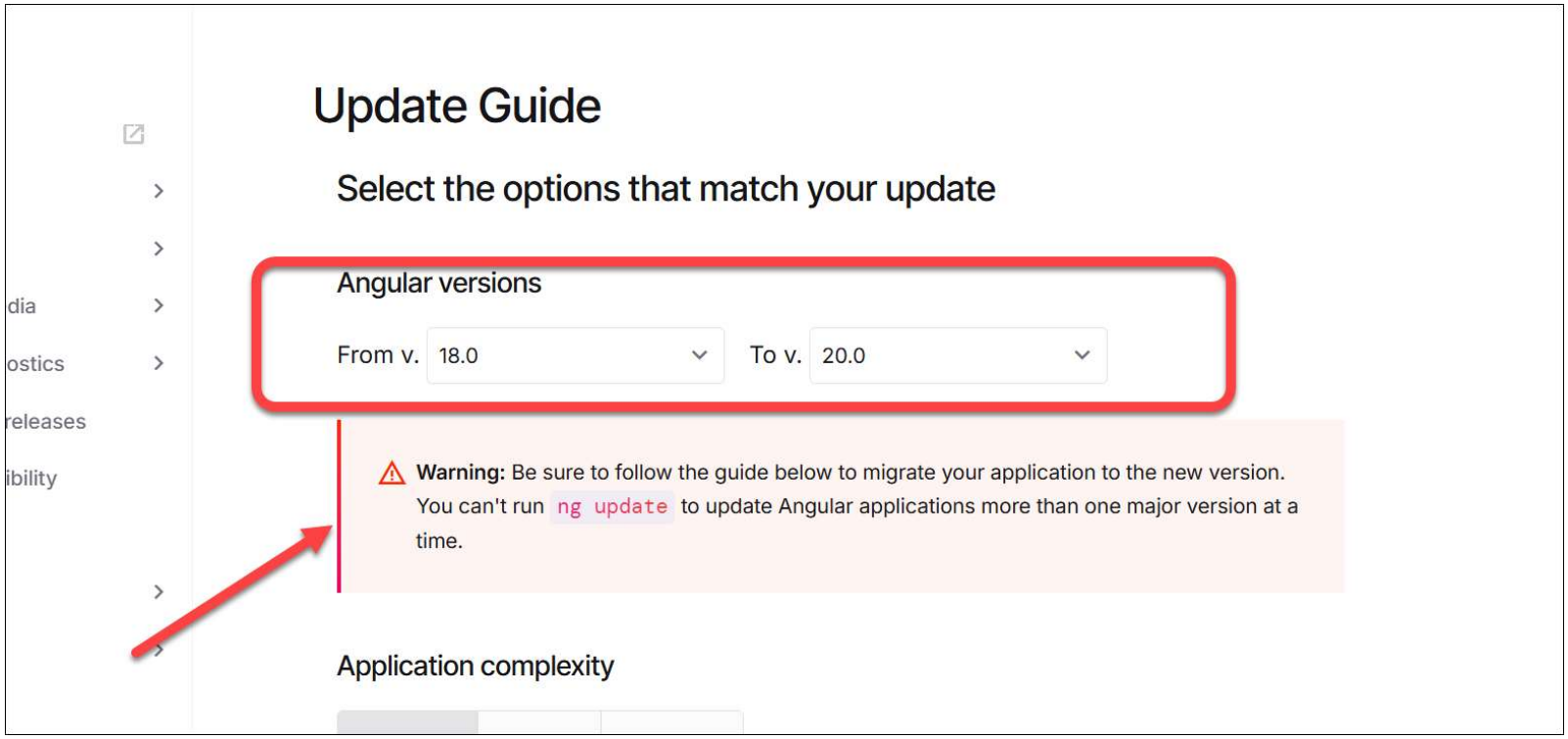


Recap day 1: Refresher + new features

- NPM, NPX, node_modules, webpack, Vite and more
- `@for`, `@if-else`, `@switch()`
- Standalone components and module-less defaults
  - No more `.component`, `.service`, etc. suffix, unless schema added to `angular.json`
- Dependency Injection,
  - Constructor injection and using `inject()`
- `provideHttpClient()`
  - Add to `app.config.ts`, add to `bootstrapApplication()`
- Signals
  - `signal()`(Writable), `computed()`, `effect()`

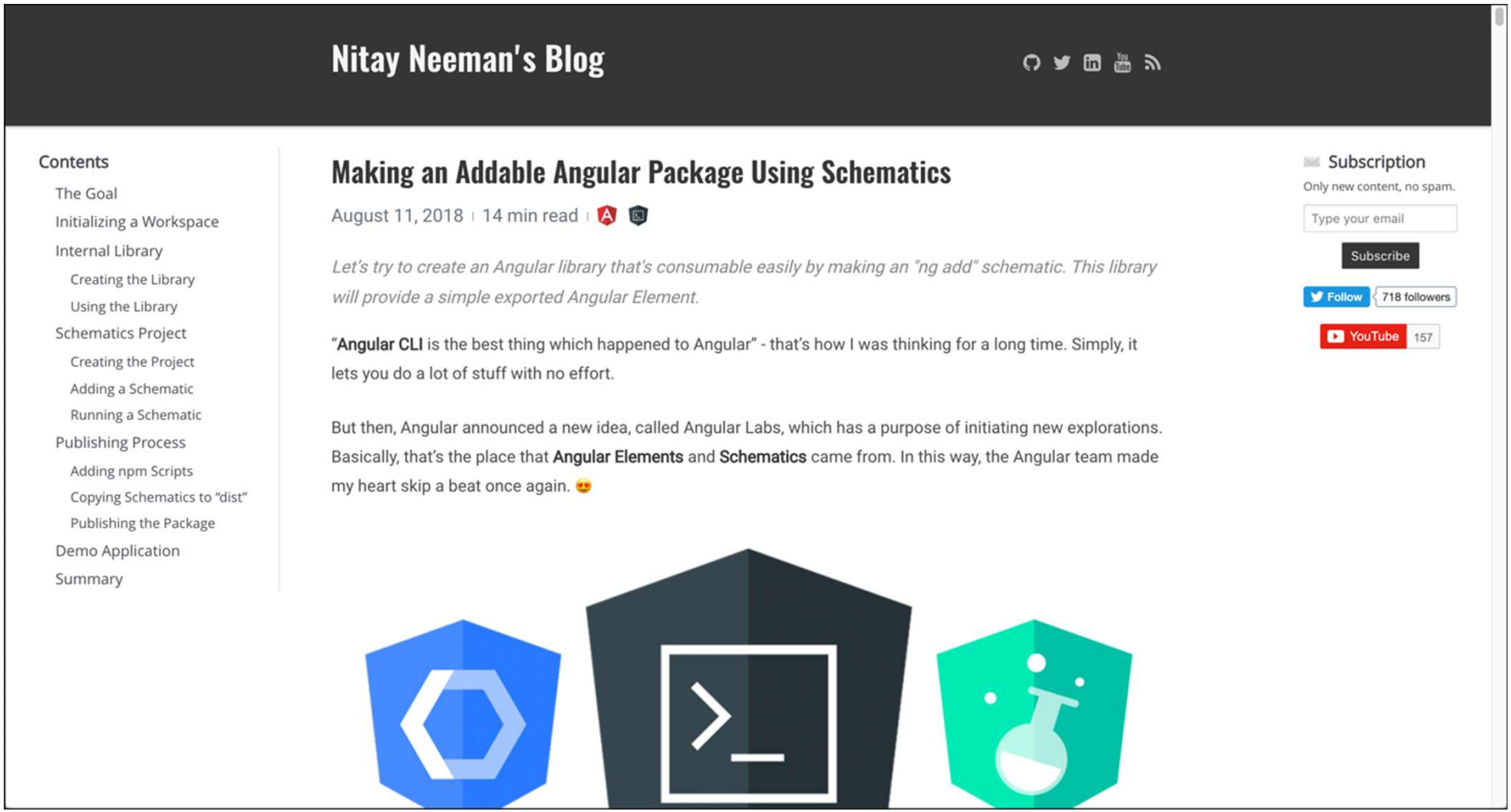
On `ng update`

- DON'T try to update over major versions (e.g. from NG 19 → NG 21)



https://angular.dev/update-guide

Extra: ceating an ’ng add’ schematic



https://nitayneeman.com/posts/making-an-addable-angular-package-using-schematics/

Extra: sending data with a route

- Add a `data: { …}` property to the route
- Send data that you don’t want to appear in the URL…
- …but you want to be accessible in the receiving component

```
…: [
  {
    path: 'ikea',
    component: IkeaComponent,
    // sending data with the route - mostly data you DON'T want
    // to appear in the browser URL, for instance:
    data:{
      location: 'Utrecht',
      postcode: '3526 AP',
      address: 'Van Rensselaerlaan 7'
    }
  }
]
```

Retrieving the data from the route

```
// Fetching data send with the route:
// Inject the route, subscribe to the data attribute.

address: string;
postcode:string;
location:string;

constructor(private route: ActivatedRoute) { }

ngOnInit(): void {
  this.route.data.subscribe((data:any)=>{
    this.address = data.address;
    this.postcode = data.postcode;
    this.location = data.location;
  })
}
```

Questions?

Today – day #2

- Advanced components
  - Smart/View ~,
  - Content Projection,
- Store & Observables
  - Creating observables from scratch using RxJS, (un)subscribing, operators
  - Introduction - @ngrx/store
  - Concepts,
    - State,
    - Action,
    - Reducer,
    - Dispatcher, Effect, Http

Next up

- Day 3: Miscellaneous
  - Stores with Payload
  - Unit Testing
  - Template Forms vs. Reactive Forms,
  - Dynamic Forms
  - …
  - Your turn : Q & A, specific issues
  - `Goodbye`

Angular Advanced, day #3

Friday, 09:00 hr