



# Angular Fundamentals

## Korte herhaling dag 2

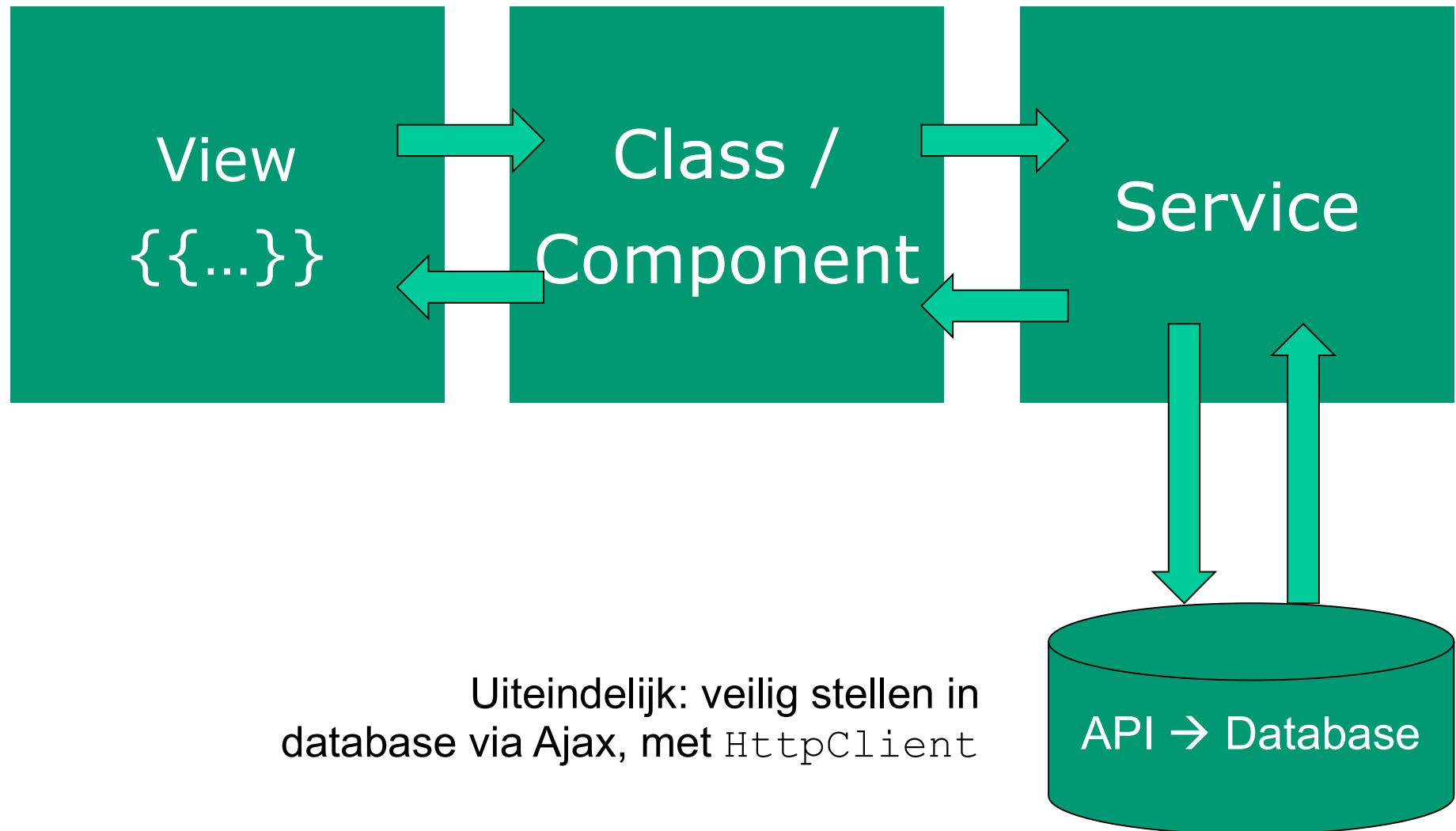


Peter Kassenaar  
[info@kassenaar.com](mailto:info@kassenaar.com)

## Gisteren, dag #2

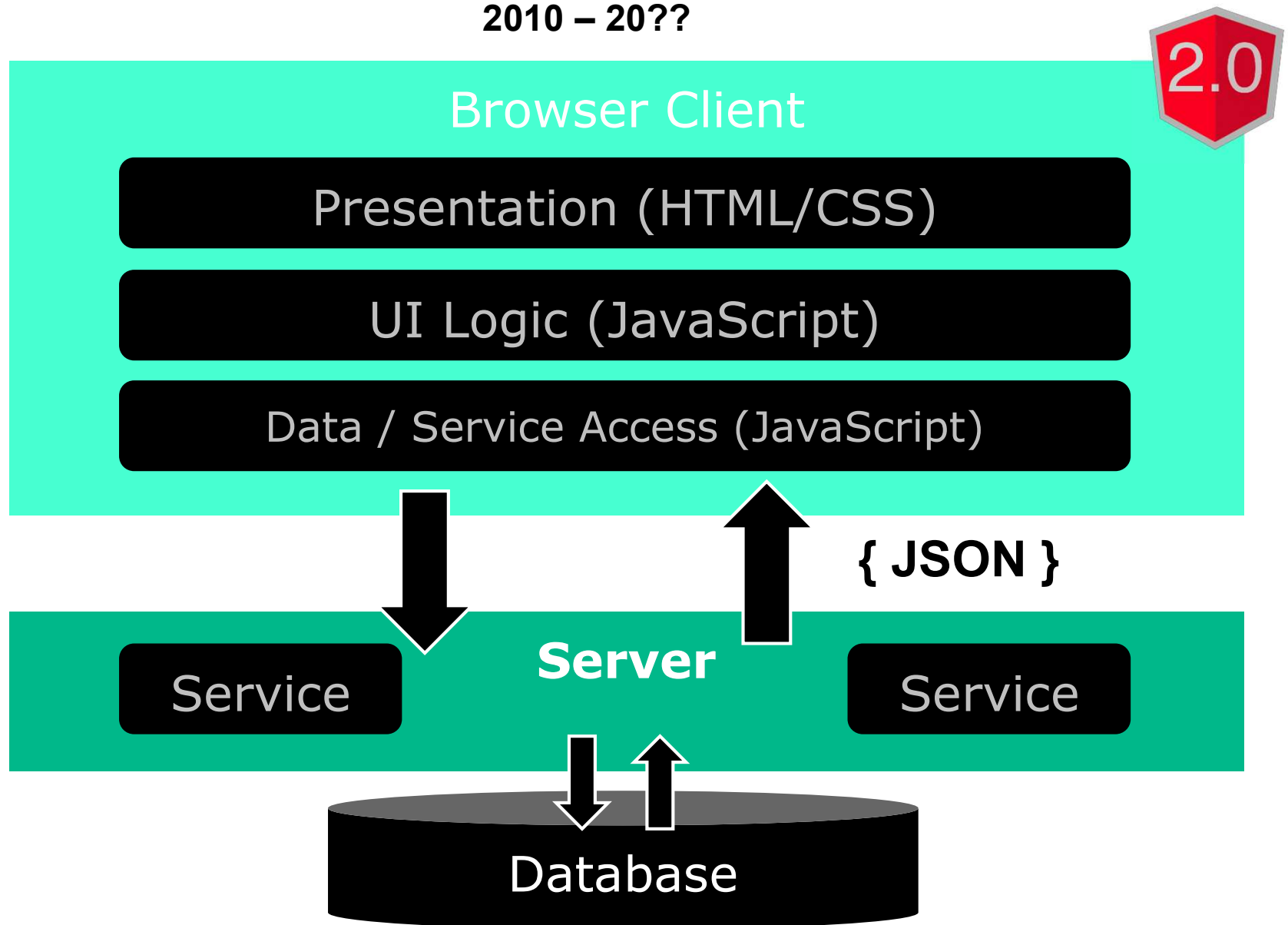
- Attribute, of one-way binding met `[...]`
- Two-way binding met `[(ngModel)]`
- Services met `@Injectable()`
  - Static services
  - Data niet meer via componenten
  - Werken met `HttpClient`, `Observables` en `RxJS`
- Live API's
  - Movies, Random Users, Star wars, Cats

# Data flow



# Single Page Application

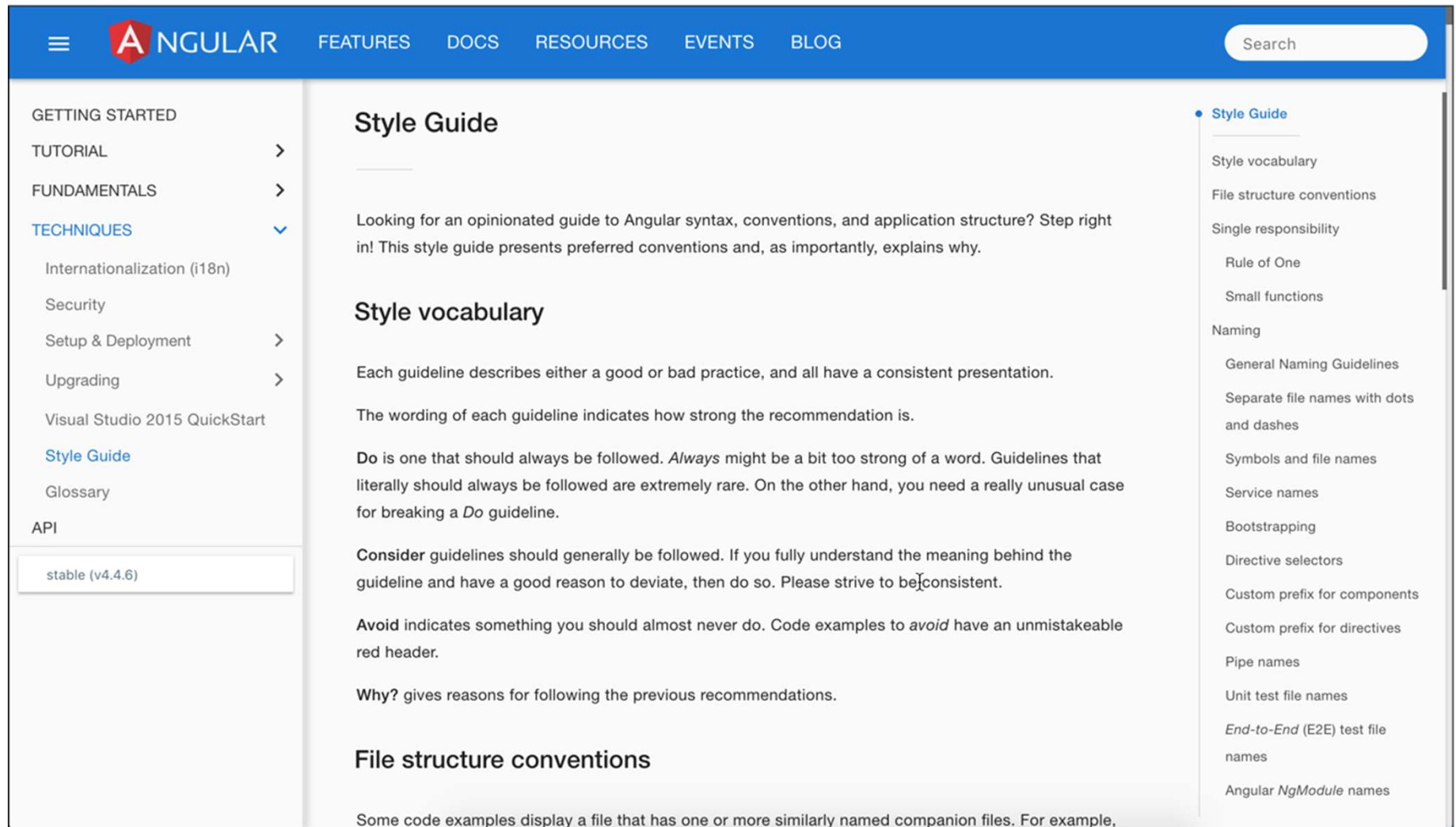
2010 – 20??



# Vandaag – dag 3

- Style Guide – **best practices**
- CRUD - demo
- Tree of components
  - **Data flow** tussen de componenten, `@Input()` en `@Output()`
  - Event bus met `Subject<Type>()`
- Routing
  - **Basic** routing
  - Routing **Parameters**

# Angular Style Guide



The screenshot shows the Angular website's navigation bar with links to FEATURES, DOCS, RESOURCES, EVENTS, and BLOG. A search bar is located on the right. The left sidebar contains a list of categories: GETTING STARTED, TUTORIAL, FUNDAMENTALS, TECHNIQUES (highlighted with a blue checkmark), Internationalization (i18n), Security, Setup & Deployment, Upgrading, Visual Studio 2015 QuickStart, Style Guide (highlighted with a blue dot), Glossary, and API. Below the API link, a version selector shows 'stable (v4.4.6)'. The main content area is titled 'Style Guide' and contains an introductory paragraph, a section on 'Style vocabulary' with guidelines on 'Do', 'Consider', and 'Avoid' practices, and a section on 'File structure conventions'. The right sidebar lists a detailed table of contents for the Style Guide, including items like 'Style vocabulary', 'File structure conventions', 'Single responsibility', 'Rule of One', 'Small functions', 'Naming', 'General Naming Guidelines', 'Separate file names with dots and dashes', 'Symbols and file names', 'Service names', 'Bootstrapping', 'Directive selectors', 'Custom prefix for components', 'Custom prefix for directives', 'Pipe names', 'Unit test file names', 'End-to-End (E2E) test file names', and 'Angular NgModule names'.

ANGULAR FEATURES DOCS RESOURCES EVENTS BLOG Search

GETTING STARTED  
TUTORIAL >  
FUNDAMENTALS >  
TECHNIQUES ✓  
Internationalization (i18n)  
Security  
Setup & Deployment >  
Upgrading >  
Visual Studio 2015 QuickStart  
Style Guide  
Glossary  
API  
stable (v4.4.6)

## Style Guide

Looking for an opinionated guide to Angular syntax, conventions, and application structure? Step right in! This style guide presents preferred conventions and, as importantly, explains why.

### Style vocabulary

Each guideline describes either a good or bad practice, and all have a consistent presentation.

The wording of each guideline indicates how strong the recommendation is.

**Do** is one that should always be followed. *Always* might be a bit too strong of a word. Guidelines that literally should always be followed are extremely rare. On the other hand, you need a really unusual case for breaking a *Do* guideline.

**Consider** guidelines should generally be followed. If you fully understand the meaning behind the guideline and have a good reason to deviate, then do so. Please strive to be consistent.

**Avoid** indicates something you should almost never do. Code examples to *avoid* have an unmistakable red header.

**Why?** gives reasons for following the previous recommendations.

### File structure conventions

Some code examples display a file that has one or more similarly named companion files. For example,

- Style Guide
- Style vocabulary
- File structure conventions
- Single responsibility
- Rule of One
- Small functions
- Naming
  - General Naming Guidelines
  - Separate file names with dots and dashes
  - Symbols and file names
  - Service names
  - Bootstrapping
  - Directive selectors
  - Custom prefix for components
  - Custom prefix for directives
  - Pipe names
  - Unit test file names
  - End-to-End (E2E) test file names
  - Angular NgModule names

<https://angular.io/guide/styleguide>



# Zijn de doelen bereikt?

1. Je leert over de **structuur en architectuur** van Angular Apps. Van een kleine `hello-world` app tot een grote Enterprise applicatie.
2. Je bent bekend met de belangrijkste **Angular concepten** van het framework. Specifieke details kun je altijd Googelen.
3. Je hebt **enige hands-on ervaring** met het maken van apps en componenten, services, API's/backends, component communicatie.
4. Je hebt een **algemeen begrip** van de manier waarop moderne web apps worden gemaakt met Angular, TypeScript en build tools.



## **Angular Advanced – Januari – 2 days**

- Angular CLI, Tips & tricks, custom schematics
- Multiple Modules,
- Advanced routing, lazy loading
- Advanced components
- Angular in the Enterprise / bigger architectures
- Unit Testing
- State Management with @ngrx/store
- More on observables

# If you liked it, endorse

The screenshot shows a LinkedIn profile page. The top navigation bar includes the LinkedIn logo, a search bar, and icons for Home, My Network (with a red notification badge), Jobs, Messaging, Notifications, Me, and Work. The main content area on the left shows a profile section for 'duursporten (lopen, zwemmen, fietsen, roeien, schaatsen)' with a description 'Laatste jaar in combinatie met studie Bewegingswetenschappen, Rijksuniversiteit Groningen (RUG)'. Below this is a 'See more education' link. The 'Featured Skills & Endorsements' section is highlighted with a red oval. It lists three skills: 'Teaching' (3 endorsements from Youri Pattynama and 2 connections), 'TypeScript' (3 endorsements from Youri Pattynama and 2 connections), and 'Angular' (2 endorsements from Momen El Kamri and 1 connection). A 'See 26 more skills' link is at the bottom of this section. To the right of the skills is an 'Add a new skill' button with a pencil icon. Below the skills section is a 'Recommendations' section with an 'Ask to be recommended' button and a pencil icon. On the right side of the profile, there is a blue button 'Add new profile section' and a 'Messaging' button at the bottom.

duursporten (lopen, zwemmen, fietsen, roeien, schaatsen).

Laatste jaar in combinatie met studie Bewegingswetenschappen, Rijksuniversiteit Groningen (RUG).

[See more education](#) ✓

**Featured Skills & Endorsements** [Add a new skill](#) ✎

**Teaching** · 3 Youri Pattynama and 2 connections have given endorsements for this skill

**TypeScript** · 3 Youri Pattynama and 2 connections have given endorsements for this skill

**Angular** · 2 Momen El Kamri and 1 connection have given endorsements for this skill

[See 26 more skills](#) ✓

**Recommendations** [Ask to be recommended](#) ✎

[Add new profile section](#)

● Messaging ✎ ⚙

<https://www.linkedin.com/in/peterkassenaar/>



[www.angulartraining.nl](http://www.angulartraining.nl)