

Part 1: Building Your First Angular 20 Application

Web development has exploded in the last decade. Frameworks like **Angular** lead the charge, emphasizing **performance**, **developer ergonomics**, and **modern web standards**. Angular 20, released in May 2025, takes this further with stabilized signals, zoneless change detection (in developer preview), and a streamlined naming convention that drops those pesky suffixes like `.component.ts` by default.

In this guide, we'll set up your first Angular 20 app using the **Angular CLI**. Expect cleaner file names, faster reactivity, and less boilerplate. We'll keep it practical, step-by-step, and inspired by [Flavio Copes](#) — code-first, no fluff.

Requirements

Ensure your setup includes these essentials for a smooth Angular 20 workflow:

Tool	Why You Need It	Install / Check
Node.js (LTS, e.g., 20.x or later)	Powers the CLI and runs TypeScript	https://nodejs.org <code>node -v</code>
npm	Manages packages (bundled with Node)	<code>npm -v</code>
Git (optional)	Version control for your projects	https://git-scm.com <code>git --version</code>

“

Pro Tip: Switch versions easily with [nvm](#):

```
nvm install --lts
nvm use --lts
```

Angular 20 supports modern evergreen browsers — check details at angular.dev/reference/versions#browser-support.

Install the Angular CLI

The **Angular CLI** is your go-to tool for scaffolding, testing, and deploying. It now aligns with Angular 20's new style guide, generating suffix-free files by default (e.g., `app.ts` instead of `app.component.ts`).

Install globally:

```
npm install -g @angular/cli@20
```

“

Windows? Run as **Administrator**.

macOS/Linux? Add `sudo` if prompted:

```
sudo npm install -g @angular/cli@20
```

Verify:

```
ng version
```

Output should show **Angular CLI 20.x.x** and related tools.

Create Your First Angular 20 App

Generate a new project named `my-blog-app`:

```
ng new my-blog-app
```

Prompts you'll see:

```
? Would you like to share pseudonymous usage data...? (y/N) ? N
? Which stylesheet format would you like to use? ? CSS
? Do you want to enable Server-Side Rendering (SSR)...? (y/N) ? N
```

Hit **Enter** for defaults (SSR is optional; we'll skip for simplicity).

The CLI will:

- Create `my-blog-app/` folder
- Install dependencies (including Angular 20 core)
- Apply the new naming: No `.component` suffixes!

This takes 1–3 minutes. Pro tip: Angular 20's CLI is faster thanks to optimized builds.

“
Legacy Mode? If you prefer old-school suffixes, add `--strict=false` or configure in `angular.json` later.

Run the App

Enter the project:

```
cd my-blog-app
```

Launch the dev server:

```
ng serve
```

“
Alias: `ng dev` for quick starts.

After building (faster in v20!), open:

`http://localhost:4200`

Boom — the Angular welcome page loads! Live reload is on: Edit code, save, and watch updates instantly.

Project Structure (Updated for Angular 20)

Angular 20 keeps things lean. Key folders/files:

```
my-blog-app/  
??? src/           ? Your source code hub  
?   ??? app/  
?   ?   ??? app.ts       ? Main component (no .component.ts!)  
?   ?   ??? app.html     ? Template (no .component.html)  
?   ?   ??? app.css      ? Styles (no .component.css)  
?   ?   ??? app.config.ts ? App providers  
?   ?   ??? app.routes.ts ? Routing config  
?   ??? index.html      ? Entry HTML  
?   ??? main.ts         ? Bootstrap  
?   ??? styles.css      ? Global CSS  
??? angular.json       ? Workspace config  
??? package.json       ? Dependencies  
??? tsconfig.json      ? TypeScript setup
```

“

Focus on `src/app/` — that's your playground. New naming reduces clutter: `app.ts` handles logic, `app.html` the markup.

Make Your First Change

Tweak the welcome message to feel the reactivity.

1. Edit the Main Component

Open `src/app/app.ts`:

```
export class AppComponent {  
  title = 'My Awesome Blog'; // Updated title  
}
```

2. Update the Template

Open `src/app/app.html` and find (around line 20):

```
<h1>Hello, {{ title }}</h1>
```

Change to:

```
<h1>Welcome to {{ title }}! ?</h1>
```

Save. Browser auto-refreshes — see **"Welcome to My Awesome Blog! ?"?**

This uses **interpolation** (`{{ }}`) for data binding. Angular 20's signals make this even snappier under the hood.

How It Works (Quick Peek Under the Hood)

- `index.html` has `<app-root></app-root>` — Angular's mount point.
- `main.ts` bootstraps:

```
bootstrapApplication(AppComponent, appConfig);
```
- `app.ts` (root component) renders into the DOM.
- Signals (stable in v20) handle reactivity efficiently — no more full tree diffs by default.

Useful Angular CLI Commands

Command	Alias	What It Does
<code>ng new <name></code>	<code>n</code>	Scaffold a new app
<code>ng serve</code>	<code>dev</code>	Dev server with HMR
<code>ng build</code>	<code>b</code>	Production build
<code>ng generate component <name></code>	<code>g c</code>	New component (suffix-free!)
<code>ng test</code>	<code>t</code>	Run tests
<code>ng update</code>	-	Upgrade to latest

Docs: angular.dev/cli

“

Generate with legacy suffixes: `ng g c my-comp --suffix=component`.

Recommended Tools

1. VS Code + Extensions

- [Angular Language Service](#) — Auto-complete in templates.
- [Material Icon Theme](#) — Spot Angular files easily.

2. Angular DevTools (Chrome/Firefox)

Profile components, inspect signals: angular.dev/tools/devtools. v20 adds OnPush badges!

3. Communities

- [Tech Stack Nation](#) — Beginner-friendly study group.
- [Angular Discord](#) — Official hub.

What's Next?

Your app's running — level up:

```
ng g c blog-post # Creates blog-post.ts/html/css (no suffixes)
```

Add to `app.html`:

```
<app-blog-post></app-blog-post>
```

Explore signals for state: `signal('Hello')`. Dive into routing or SSR next.

“

Angular 20's zoneless preview? Opt-in for blazing-fast apps.

Final Words

You've built an Angular 20 app: Cleaner names, stable signals, and CLI magic. It's not just a framework — it's a full ecosystem for scalable web apps.

Build iteratively. Experiment. The future's reactive.

Inspired by [Flavio Copes](#) — practical, dev-focused.

Based on Angular 20 docs and [Learning Angular](#).

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