



Milan Karajovic

# Angular

## - Standalone Component -

**Angular standalone components are a way to build components without needing an NgModule, making applications simpler and more modular.**

# What is a Standalone Component?

- **Self-contained unit:** A standalone component can operate independently without being declared inside an NgModule.
- **Introduced in Angular v14:** This feature streamlines development by reducing boilerplate code.
- Marked with `standalone: true`: When defining a component, directive, or pipe, you set this flag to make it standalone.
- **Direct imports:** Instead of relying on NgModules, standalone components import other components, directives, and pipes directly.
- **Incremental adoption:** Existing projects can gradually migrate to standalone style without breaking changes.

# How to Create One

```
import { Component } from '@angular/core';
import { CommonModule } from '@angular/common';

@Component({
  selector: 'app-hello',
  standalone: true,
  imports: [CommonModule],
  template: `<h1>Hello Standalone!</h1>`
})
export class HelloComponent {}
```

# Clarification

- **Standalone flag:** `standalone: true` makes it independent.
- **Imports array:** You directly import `CommonModule` or other standalone components.
- **No NgModule needed:** You can bootstrap this component directly in `main.ts`.

# Benefits

- **Simplified structure:** Reduces reliance on NgModules.
- **Flexibility:** Components can be reused more easily.
- **Cleaner codebase:** Less boilerplate, more focus on functionality.
- **Gradual migration:** Existing apps can adopt standalone components step by step.
- **Lazy Loading:** possible and easy to implement.

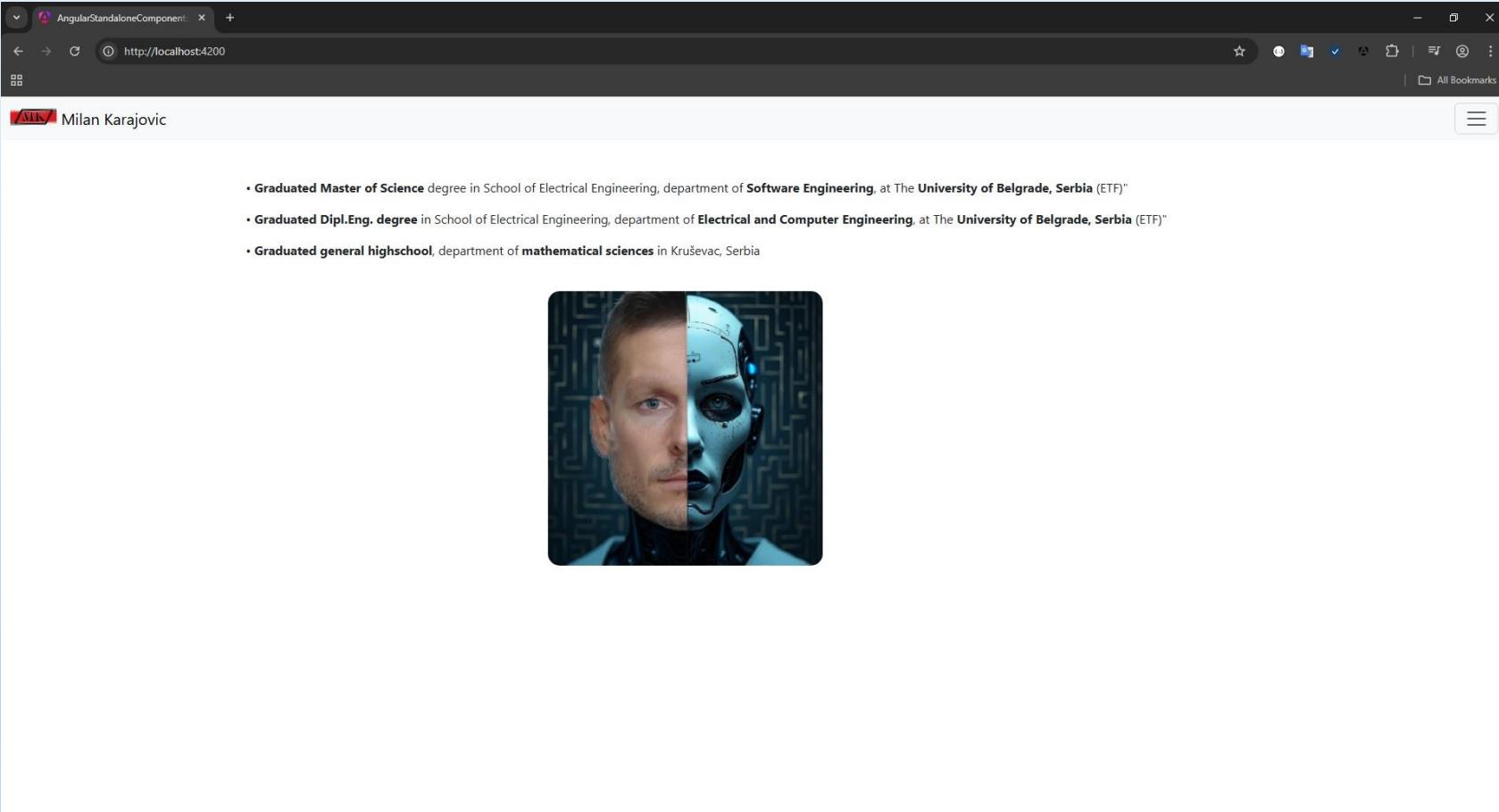
# Example



Milan Karajovic

- **Example:** Portfolio - Example Angular Standalone components.
- **GitHub with Source Code:**  
<https://github.com/Milan-Karajovic/Angular-Standalone-Components>
- **LinkedIn:**  
<https://www.linkedin.com/in/milan-karajovic-java-angular-security-cloud-architect/>

# Home

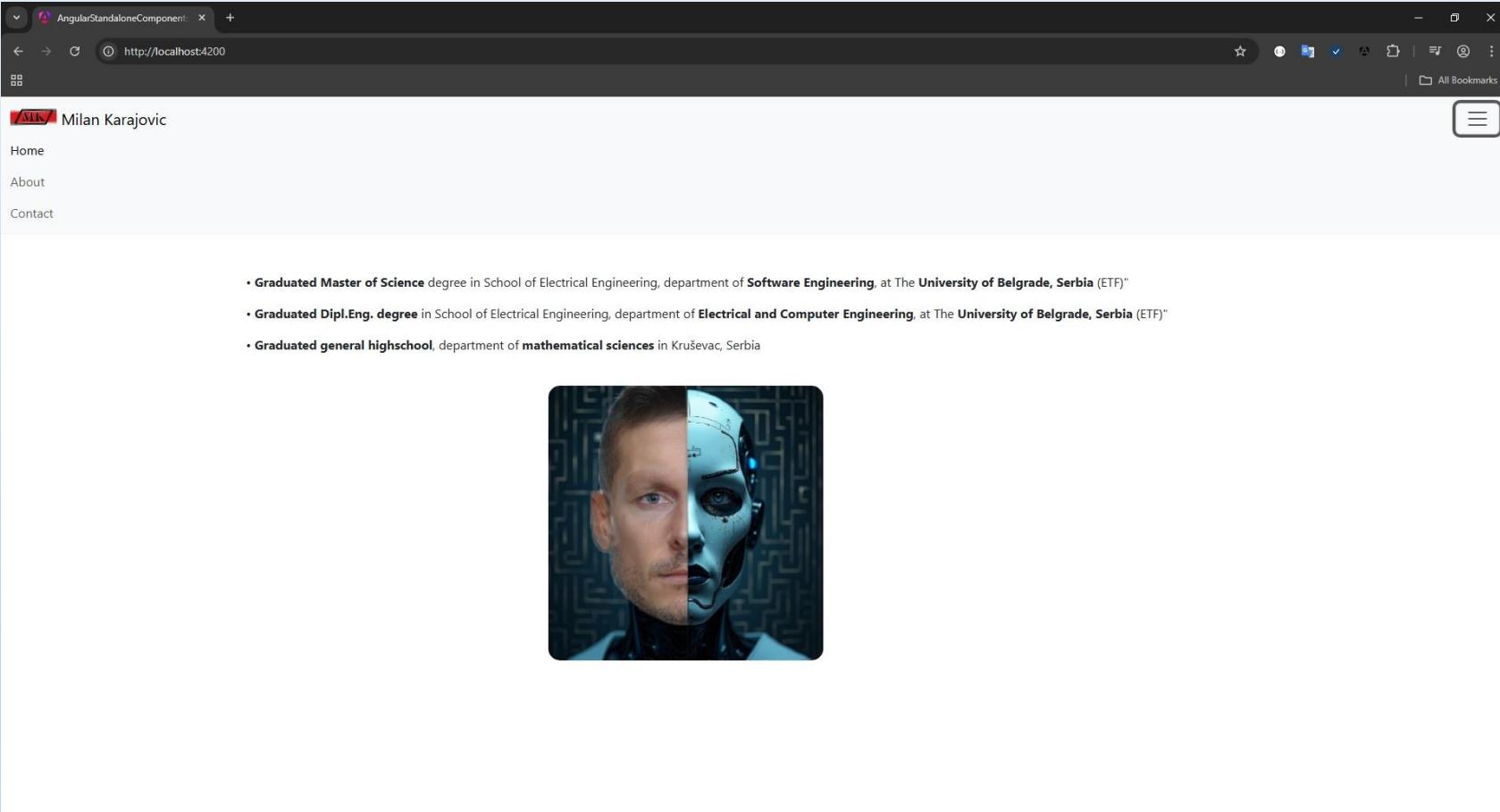


A screenshot of a web browser window titled "AngularStandaloneComponent" showing a resume page at <http://localhost:4200>. The page header displays the name "Milan Karajovic". Below the header, there is a list of educational qualifications:

- Graduated Master of Science degree in School of Electrical Engineering, department of **Software Engineering**, at The **University of Belgrade, Serbia** (ETF)"
- Graduated Dipl.Eng. degree in School of Electrical Engineering, department of **Electrical and Computer Engineering**, at The **University of Belgrade, Serbia** (ETF)"
- Graduated general highschool, department of **mathematical sciences** in Kruševac, Serbia

The main content area features a large, square-shaped composite portrait of a man. The left half of the portrait shows a real-life photograph of a man with short brown hair and blue eyes. The right half of the portrait is a highly detailed, metallic, and futuristic-looking cyborg head with glowing blue eyes and a complex mechanical structure visible behind the skin.

# Navigation



A screenshot of a web browser window titled "AngularStandaloneComponent". The address bar shows the URL "http://localhost:4200". The page content is as follows:

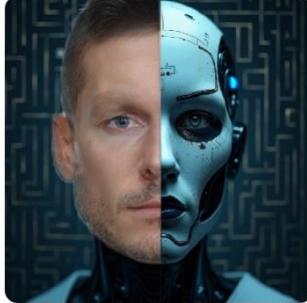
Milan Karajovic

Home

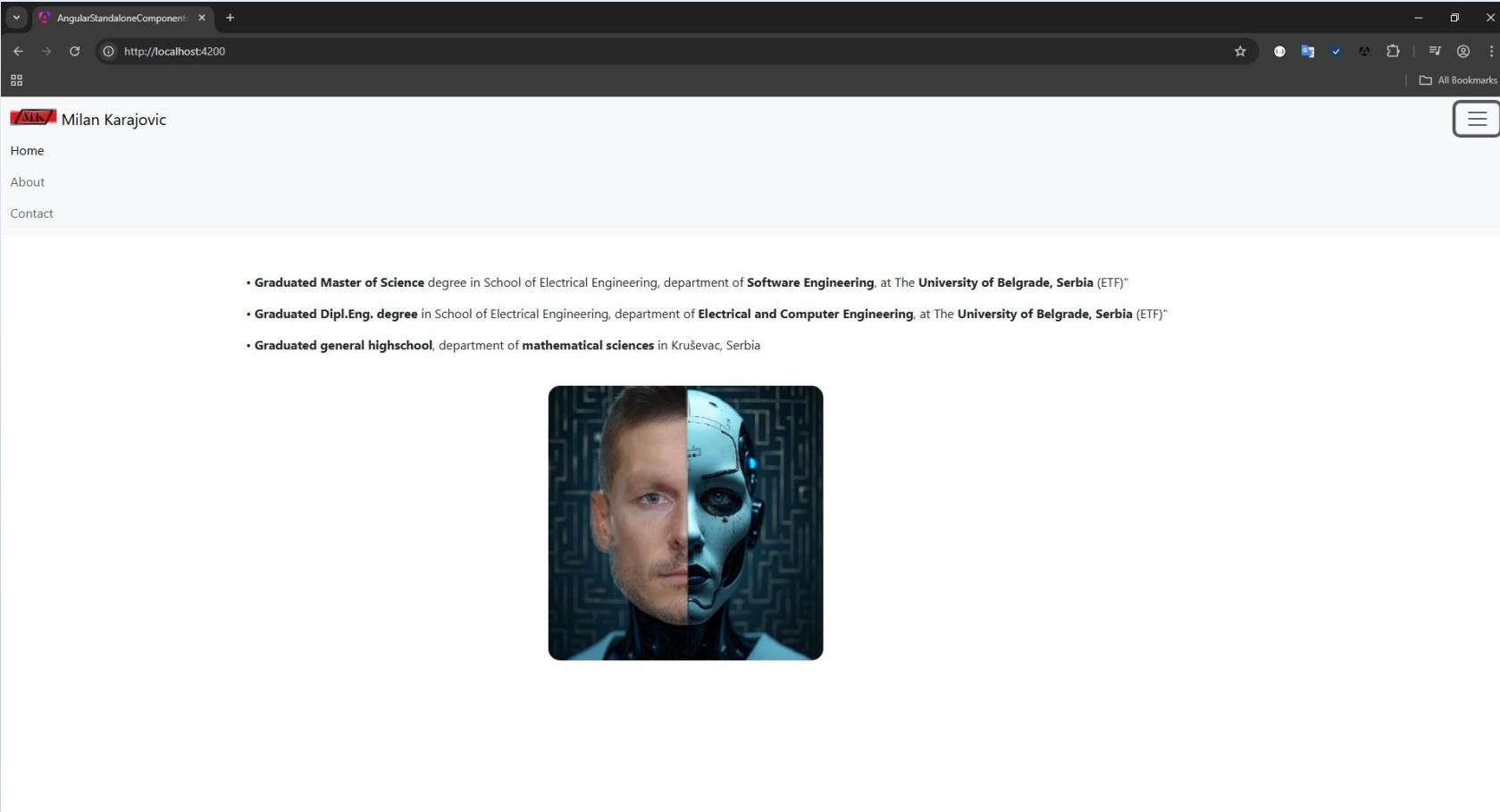
About

Contact

- Graduated Master of Science degree in School of Electrical Engineering, department of Software Engineering, at The University of Belgrade, Serbia (ETF)"
- Graduated Dipl.Eng. degree in School of Electrical Engineering, department of Electrical and Computer Engineering, at The University of Belgrade, Serbia (ETF)"
- Graduated general highschool, department of mathematical sciences in Kruševac, Serbia



# About



A screenshot of a web browser window titled "AngularStandaloneComponent" showing the "About" page at <http://localhost:4200>. The browser interface includes a back/forward button, a search/address bar, and a menu bar with "All Bookmarks". The main content area displays a header "Milan Karajovic" with a small profile picture, followed by a navigation menu with links to "Home", "About", and "Contact". Below the menu, there is a list of bullet points detailing education:

- Graduated Master of Science degree in School of Electrical Engineering, department of Software Engineering, at The University of Belgrade, Serbia (ETF)"
- Graduated Dipl.Eng. degree in School of Electrical Engineering, department of Electrical and Computer Engineering, at The University of Belgrade, Serbia (ETF)"
- Graduated general highschool, department of mathematical sciences in Kruševac, Serbia

Below the text is a large, square image of a man's face split vertically down the middle. The left side shows a realistic portrait of a man with short brown hair and blue eyes. The right side is a metallic, robotic-looking face with glowing blue eyes and a mechanical texture. The background of the image is a dark, abstract pattern.

# About

A screenshot of a Microsoft Edge browser window displaying a website at <http://localhost:4200/about>. The page title is "AngularStandaloneComponent". The main content area features a portrait of a man with a blue grid overlay, with the text "Technologies which I am using in software development" overlaid. The browser interface includes a navigation bar with back, forward, and search buttons, and a toolbar with various icons.

Milan Karajovic

Home

About

Contact

During my studies and career, I have strived to learn all areas and phases of professional software development. Today, I am fullstack developer and architect.

I am constantly improving my knowledge and updating frameworks and approaches used in software development.

New technologies, architectures and approaches in programming and software development are a challenge that fulfills me and makes me happy.

For more productive and high-quality software development, I now also use AI (GitHub Copilot integrated in the development environment)

I work, improve and learn something new every day.

Technologies which I am using in software development

A portrait of a man with a blue grid overlay, representing the technologies he uses in software development.

# About -> Details

The screenshot shows a web browser window with the URL <http://localhost:4200/about/details>. The page content is as follows:

**Milan Karajovic**

[Home](#)  
[About](#)  
[Contact](#)

**Frontend**  
Angular, Bootstrap, Angular Material, NgRx, React, HTML, CSS, Typescript, Java Script, JQuery, NGNX ...

**Backend**  
Java, Spring Boot, JPA, Spring, Hibernate, HQL, JUnit & Integration Tests, ApacheCamel, ActiveMQ, RabbitMQ, Kafka, Microservices, C, C++

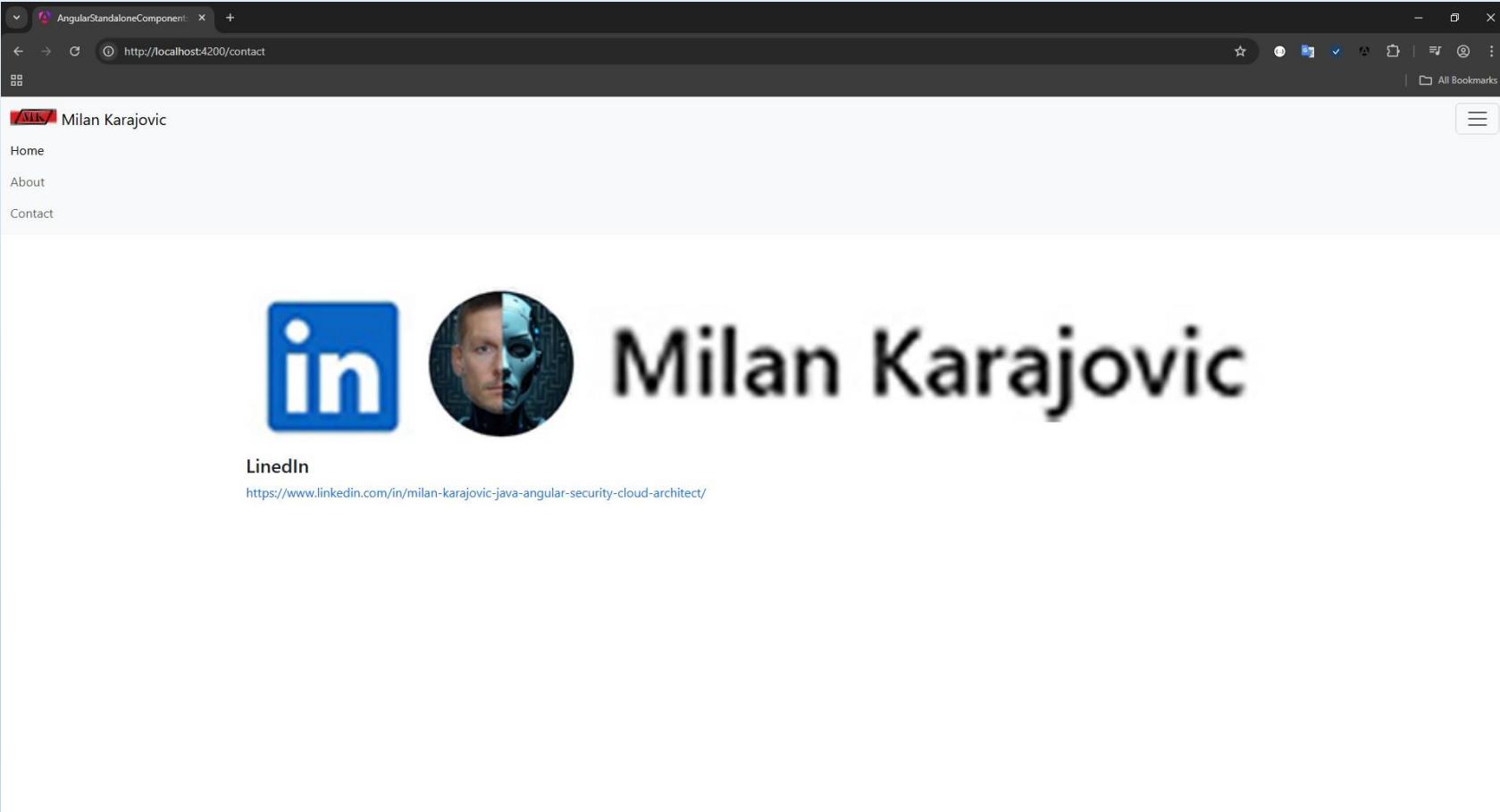
**Database**  
MySQL, PostgreSQL, Oracle, MicrosoftSQLServer, MongoDB

**Security**  
OAuth 2.0, Keycloak, Okta, OIDC, IAM, PKCE, Keycloak Angular, Okta Angular, OWASP Top Ten

**Cloud**  
Docker / Swarm / Kubernetes / AWS / GoogleCloud / Azure / Terraform / CI/CD / GitHub Actions / Jenkins

**Architecture**  
UML, Design Patterns / GoF, draw.io

# Contact



A screenshot of a web browser window titled "AngularStandaloneComponent". The address bar shows the URL "http://localhost:4200/contact". The page content is a contact page for "Milan Karajovic". It features a navigation bar with links for "Home", "About", and "Contact". Below the navigation, there is a LinkedIn logo and a circular profile picture of Milan Karajovic. To the right of the profile picture, his name "Milan Karajovic" is displayed in large, bold, black font. Below his name, the word "LinkedIn" is written in a smaller, regular black font, followed by a blue hyperlink "https://www.linkedin.com/in/milan-karajovic-java-angular-security-cloud-architect/".

Milan Karajovic

LinkedIn

<https://www.linkedin.com/in/milan-karajovic-java-angular-security-cloud-architect/>

# Thanks

- You are now ready to create your own modern and functional portfolio. Good luck.
- Try **example** on GitHub. See you again!
- **GitHub with Source Code:**

<https://github.com/Milan-Karajovic/Angular-Standalone-Components>



Milan Karajovic