



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.

# Example



Milan Karajovic

- Example: Portfolio - Example Angular Standalone components.

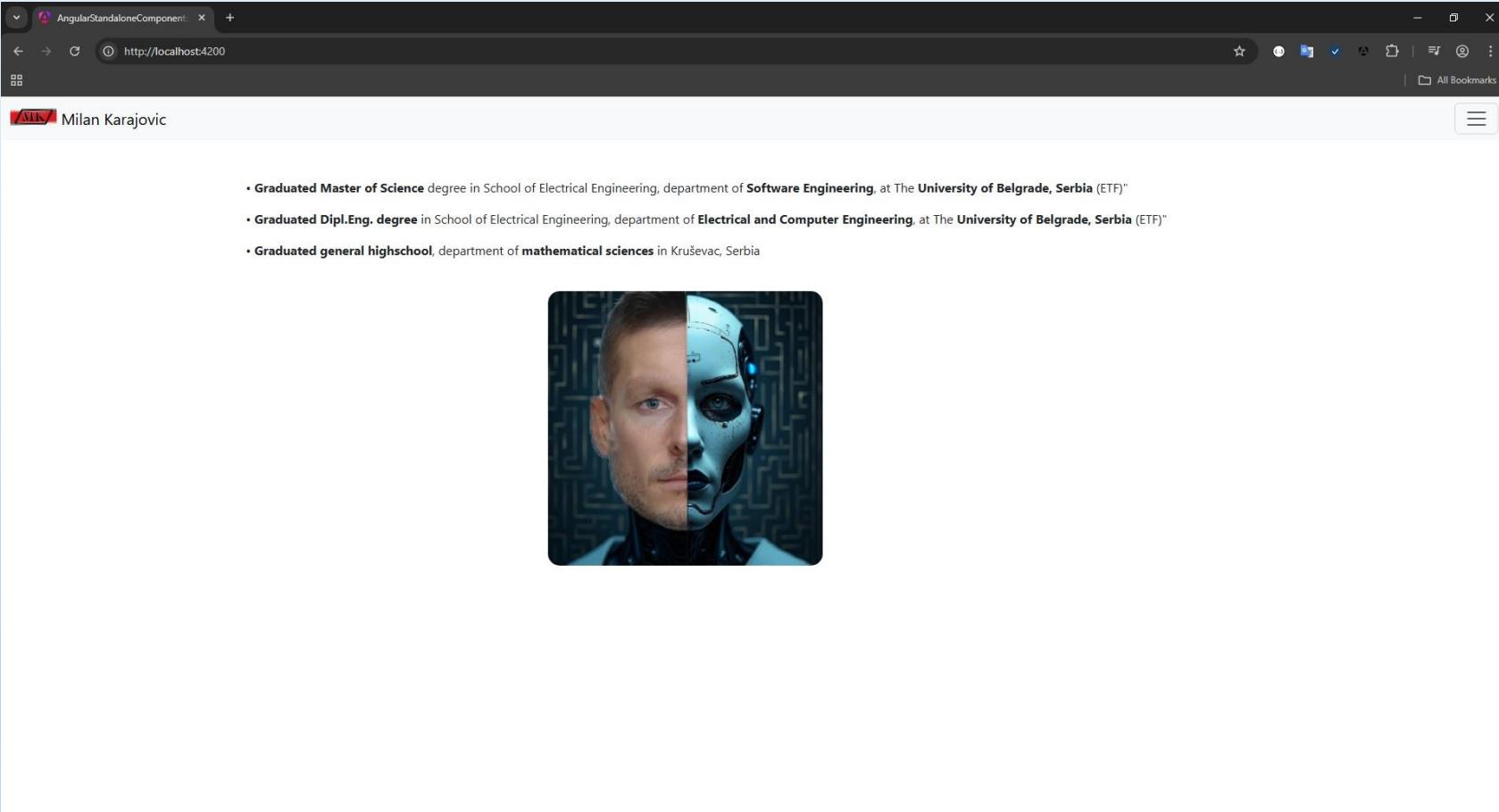
- GitHub with Source Code:

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

- LinkedIn:

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

# Home

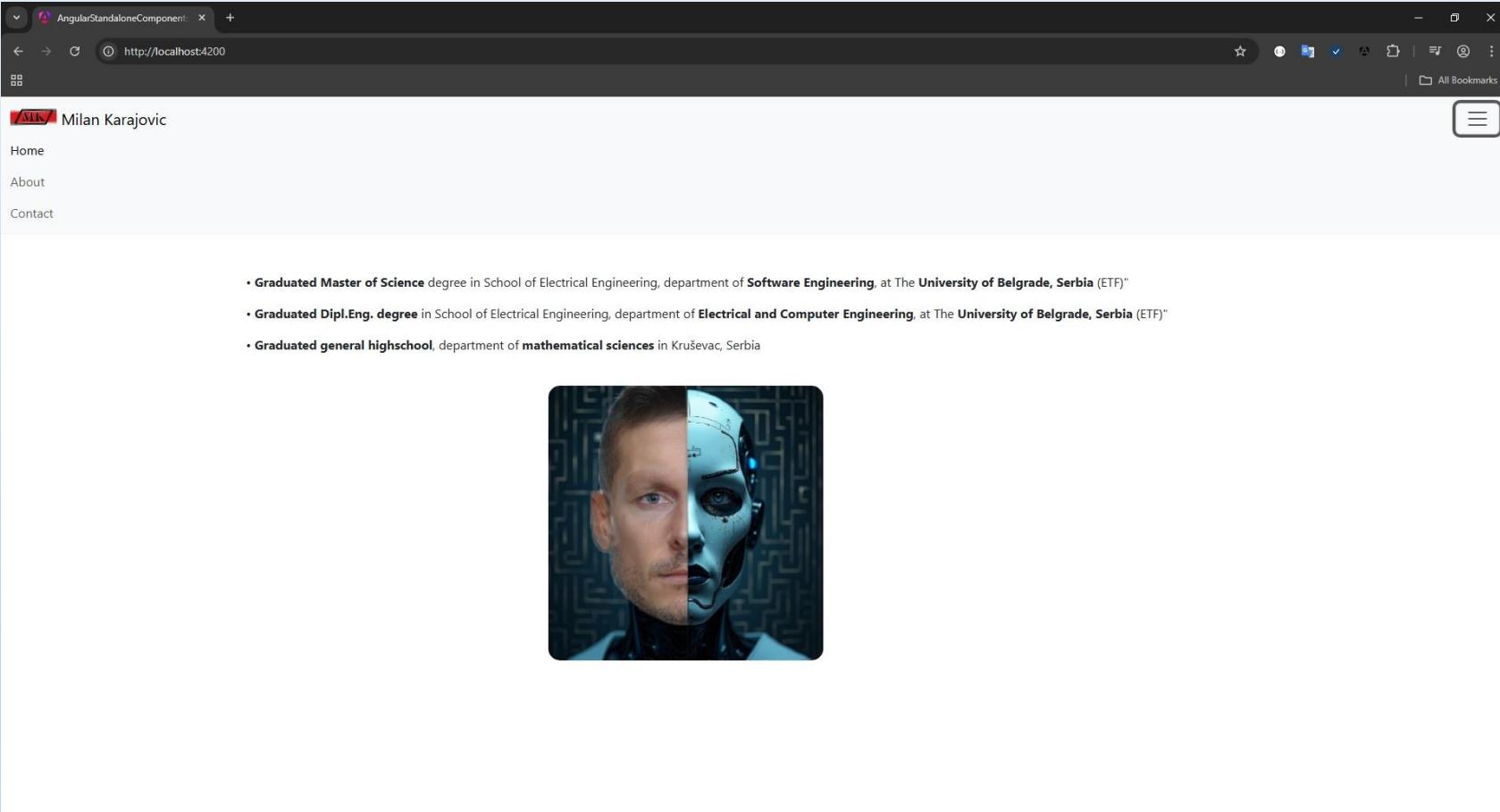


A screenshot of a web browser window titled "AngularStandaloneComponent" showing a resume page at <http://localhost:4200>. The page header displays the name "Milan Karajovic". Below the header, there is a list of educational qualifications:

- 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 a mustache. The right half of the portrait is a highly detailed, metallic, and futuristic-looking cyborg head with glowing blue eyes and a mechanical structure visible behind it. The background of the entire page is a light blue color.

# 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:

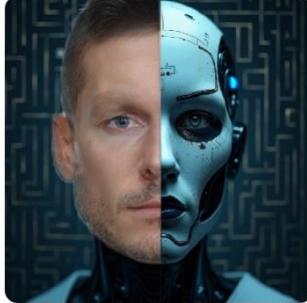
Milan Karajovic

Home

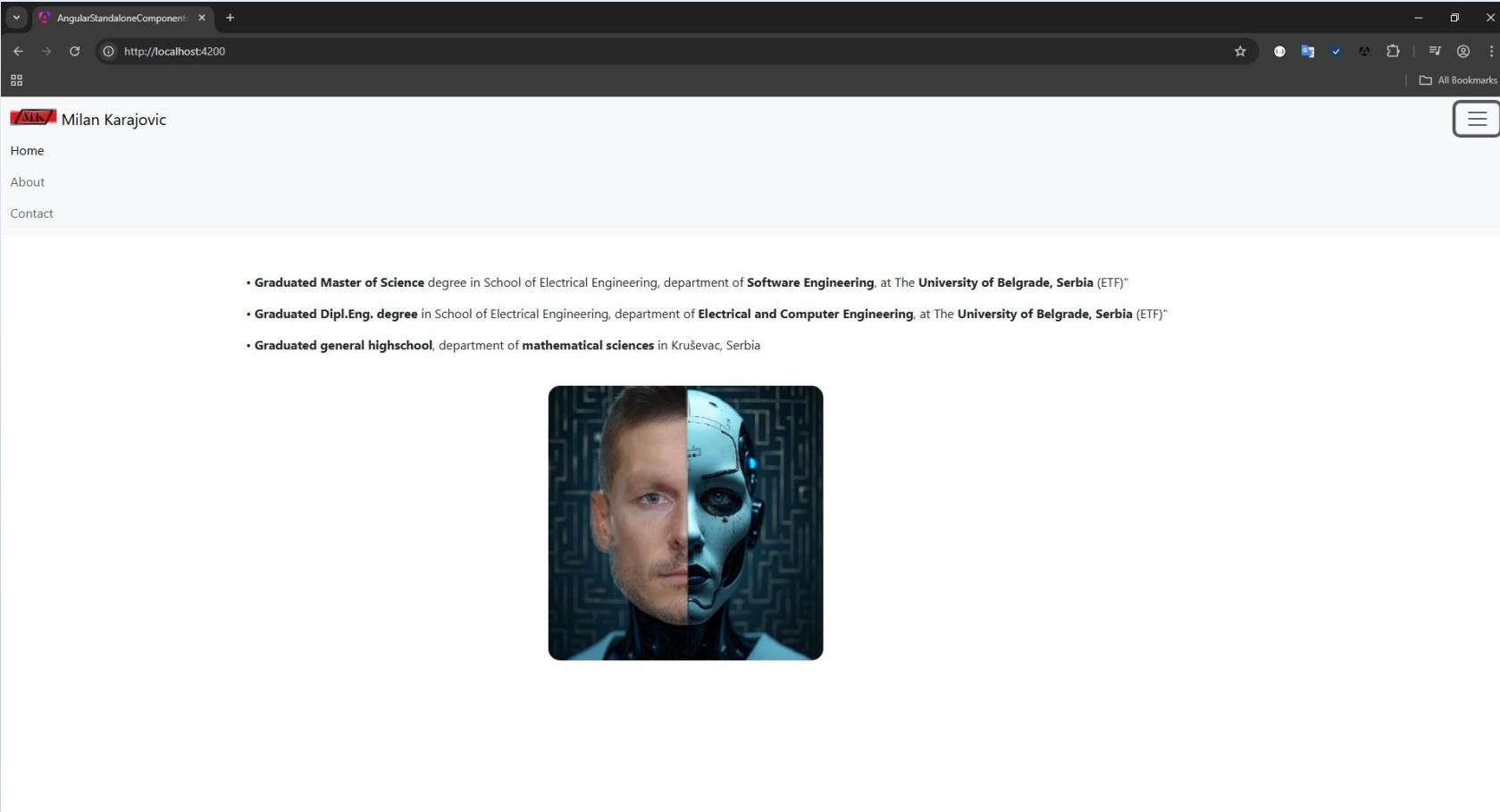
About

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++

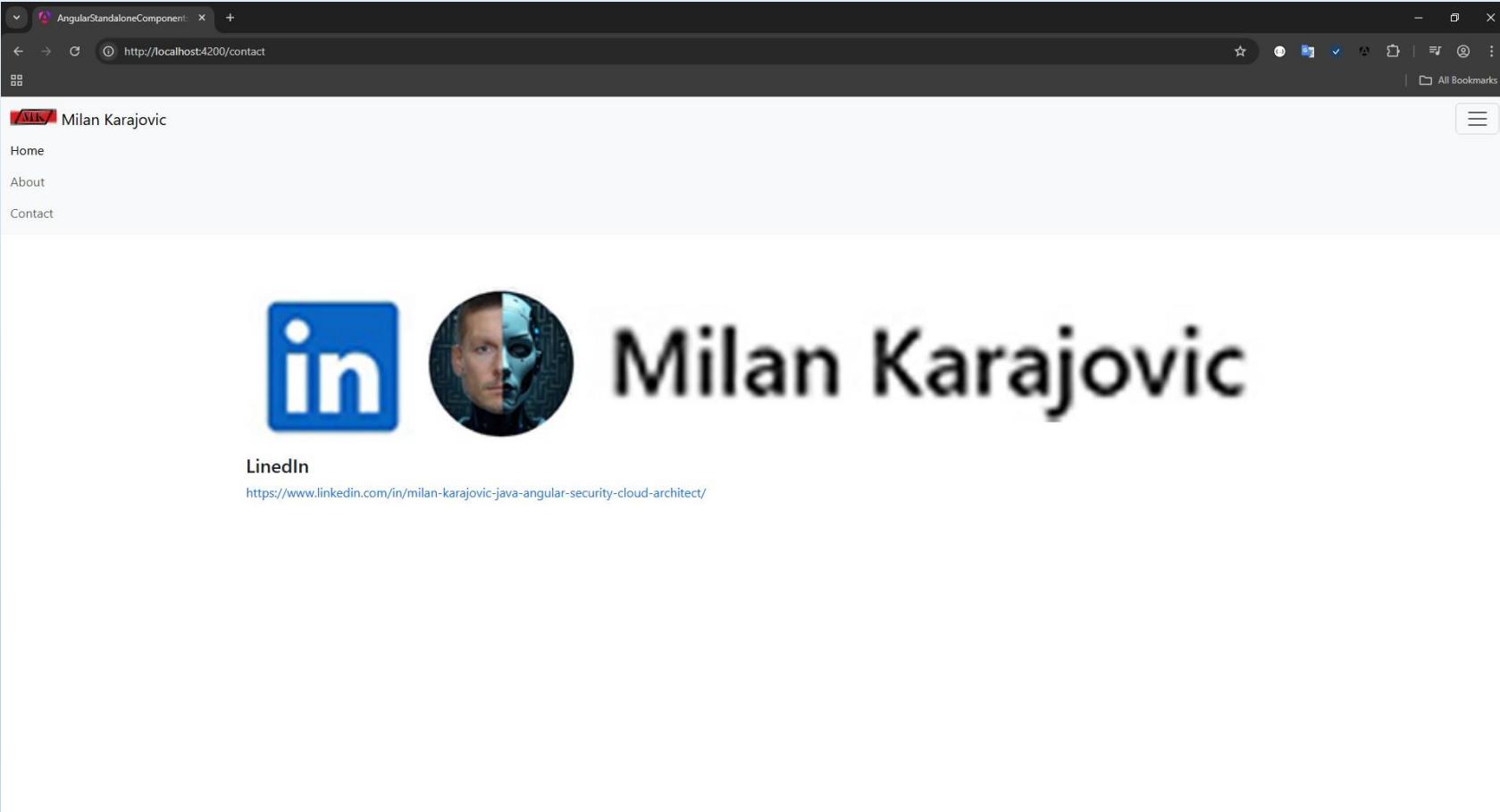
**Database**  
MySQL, PostgreSQL, Oracle, MicrosoftSQLServer, MongoDB

**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 a man. To the right of the profile picture, the name "Milan Karajovic" is displayed in large, bold, black font. Below the 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

- See you again!



Milan Karajovic