



ANGULAR
ARCHITECTS

Angular & AI (WIP)

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AI Code Generation (WIP)

- Line Completion
- Chat Prompt
- Edit Mode

AI Coding Statistics

- 46% of Devs currently use GitHub CoPilot (JetBrains '24)
- 76% of Devs actively use or plan to use AI (Stack Overflow Survey '24)
- 75-85% of Devs will work AI tools by 2028 (Gartner)

Line Completion

- Github CoPilot <https://github.com/features/copilot>



Demo

Line Completion

Chat Prompt

- ChatGPT <https://chatgpt.com/>
- Claude <https://claude.ai/>
- Gemini <https://gemini.google.com/>
- Grok <https://grok.com/>

LLM Prompt Instructions

- By Angular Team
 - <https://angular.dev/llms.txt>
 - <https://angular.dev/llms-full.txt>
- By community (Daniel Sogl)
 - <https://www.codingrules.ai/rules/angular-v19-development-standards-and-best-practices>
- By myself based upon my coding style guide
 - WIP 😊



Demo

Chat Prompt

Edit Mode (pretty new & experimental)

- Support in
 - AI Assistant for JetBrains IDE
 - Tab Mode in VS Code
- AI editors (based upon VS Code)
 - Cursor (own LLM)
 - Windsurf (new, LLM can be chosen)



Demo

AI Assistant

Risks and Challenges of AI in Coding

- increased technical debt and reduced maintainability due to poor quality
- code duplication instead of refactoring (also with humans 😊)
- not confirming to custom style guide and lint rules
- specific to Angular
 - AI struggles with complexity of Angular
 - uses outdated APIs (e.g. structural directives)
 - usage of bad training data examples (found online)

AI Coding Predictions

- Dev role will not disappear but transform
- AI tools enhance productivity & effectivity
- Devs who proactively embrace AI and work on their skills will have an edge in the future
- My personal recommendation:
learning / improving skills at least 2-4h / week

Conclusions