Nearform_



View online



Download PDF



Download PPTX

Vibe Coding: Let’s Follow the Flow_

Luca Del Puppo Nearform_

N_

Hi 👋, I'm **Luca**!_



Nearform_ AI Native Engineer

GDE Web Technologies

delpuppo.net

puppo

puppo92

lucadelpuppo



We’re an independent team of engineers, designers and strategists who build digital solutions and enhanced capability at pace for ambitious enterprises seeking enduring business impact.

10+ Years experience

700+ Engagements

400+ Nearformers

380+ Customers

28 Countries



Nearform’s commitment to Open Source

15m+ Downloads	Over 15 million downloads every week
1192k+ Contributions	Thousands of contributions every year
166+ Packages	We maintain many popular packages for the community

We’re hiring! **nearform.com/careers**

Nearform_ N_



The Old Way

The Manual Process

The Old Way_

Writing code line by line, from scratch

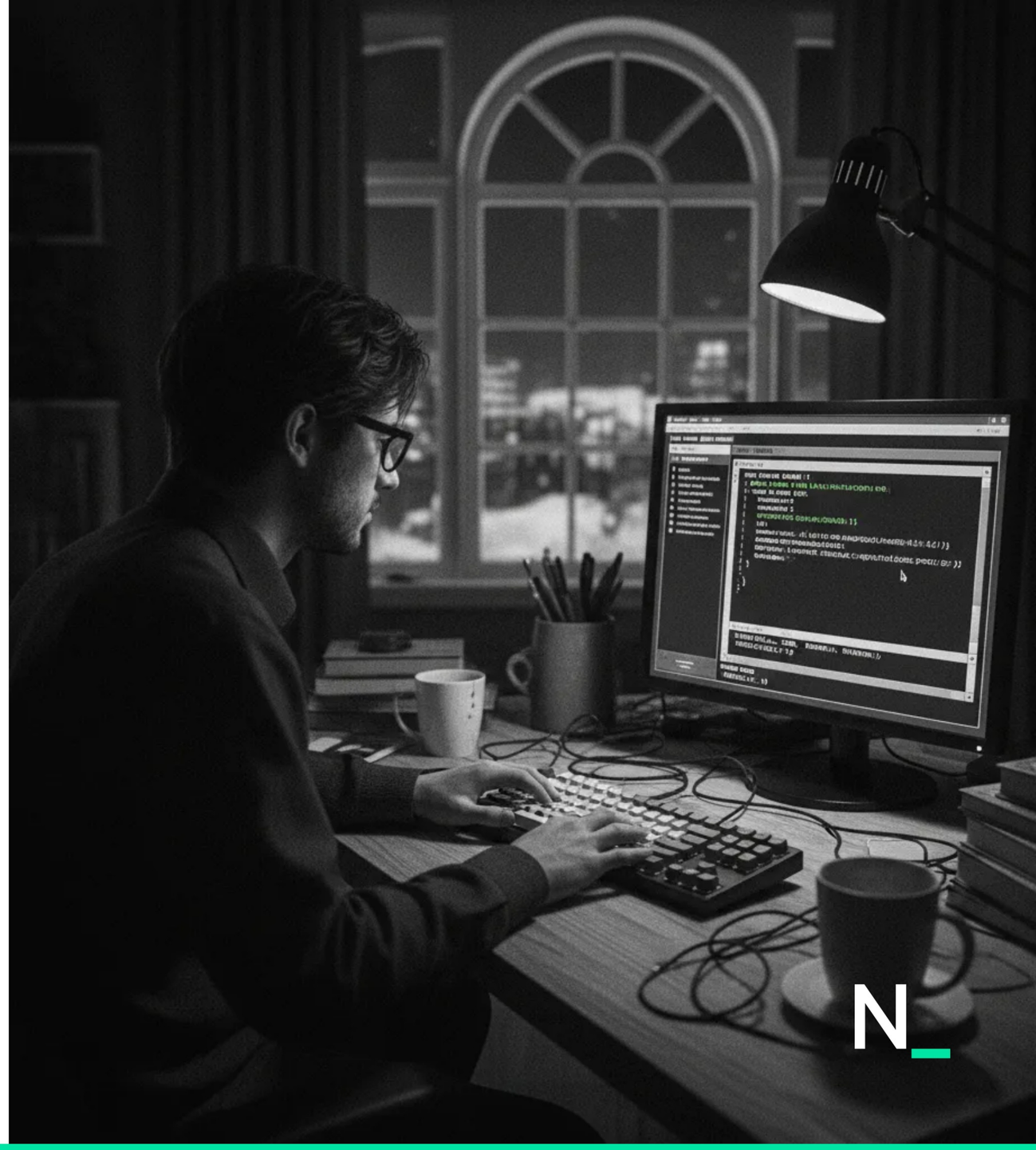
The developer writes code without any tools or shortcuts.

Constantly searching for documentation and syntax

The developer spends time looking up how to use different functions and libraries.

Manual debugging, a tedious process

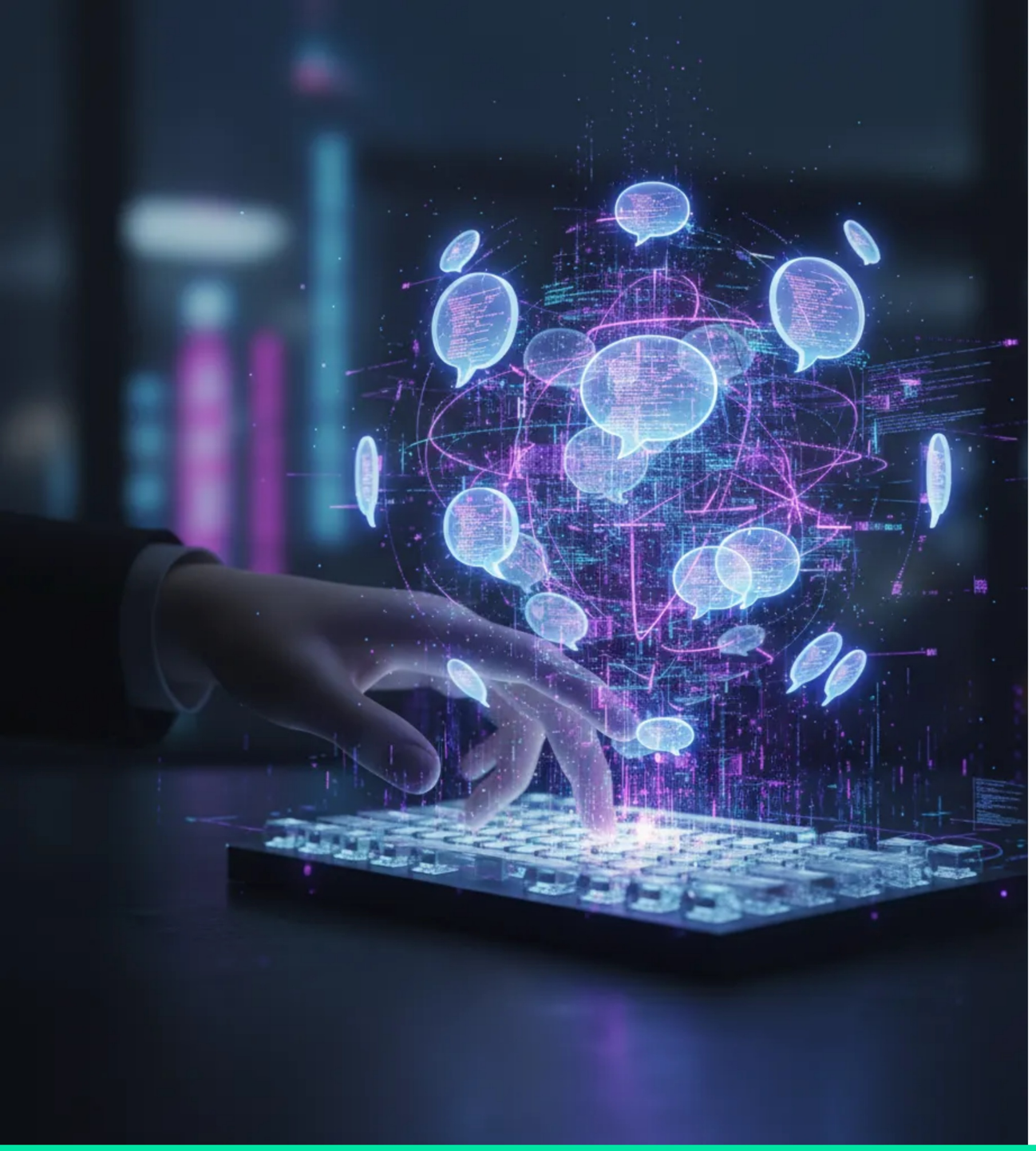
The developer has to go through the code line by line to find and fix bugs.





The AI Assistant

A Helping Hand



A Helping Hand_

AI suggests code snippets as you type

The AI provides real-time code suggestions to speed up development

It generates boilerplate code

The AI can create standard code structures, saving time on repetitive tasks

It answers quick questions about APIs and frameworks

The AI can provide instant answers to common coding questions



The New Frontier

The Agent

The Agent_

The agent takes complex instructions and executes multi-step tasks

It can understand and follow detailed prompts to complete tasks

It can manage project workflows autonomously

The agent can handle tasks like setting up environments, managing dependencies, and deploying applications

It acts as a team member, not just a tool

The agent collaborates with developers, contributing to the project in meaningful ways





Let's play a game!

Let's play a game! 1/2_

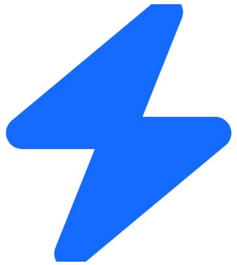


Senior Developer



Junior Developer

Let's play a game! 2/2_



bolt.new



Firebase Studio



GitHub Spark



Prototyping <> Development

The Art of Prompting_

Write clear and specific instructions

The difference between "Create a to-do list app" and "Using React and Tailwind CSS, create a To-Do list component that manages state and is accessible to screen readers."

Is the developer’s role shifting from "code writer" to instruction engineer?

Crafting effective prompts is becoming a crucial skill for developers

Clear, constrained instructions lead to better results

Providing detailed and focused prompts helps the agent deliver more accurate and relevant code



The Importance of Context_

It helps avoid rework and wasted effort

By providing context, the agent can make informed decisions and avoid unnecessary mistakes.

It ensures the solution aligns with the project’s high-level goals

Context allows the agent to understand the bigger picture and deliver solutions that fit within the overall project objectives

Context is king

The more context you provide, the better the agent can perform.

The Spec File: Beyond the Prompt_

Moving from conversational prompts to structured specifications

This shift allows for more precise and effective communication with the AI

A spec file provides the AI with a complete context of the project

It includes all relevant information, such as project goals, constraints, and requirements

It's the ultimate form of context, enabling the agent to act autonomously with full awareness

The spec file empowers the agent to make decisions and execute tasks without constant human intervention

The Agent as a Team Player 1/2

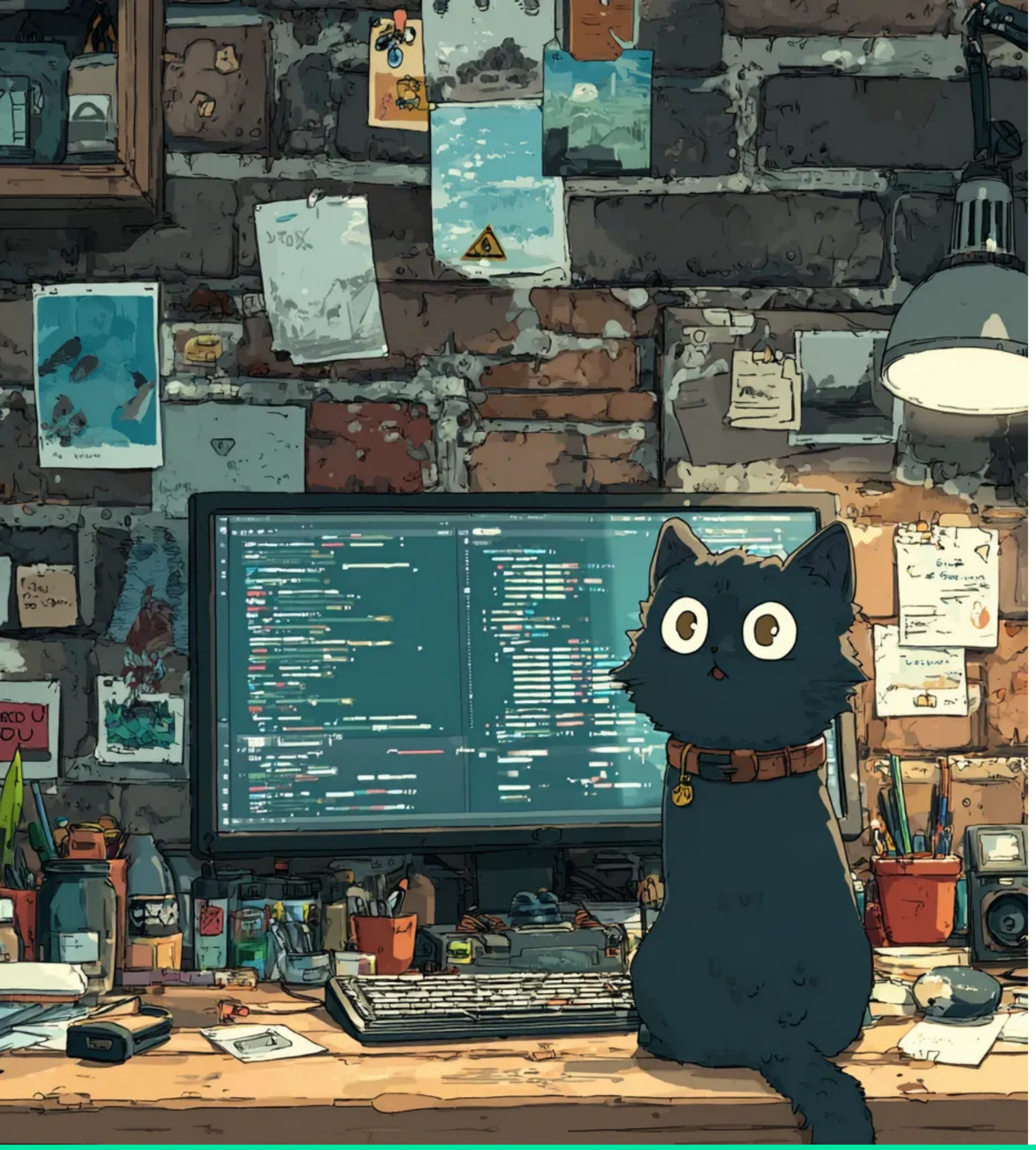
Agents can manage the codebase, not just individual files

The agent can understand and navigate the entire project structure, making it a more effective collaborator.

Agents can create issues

The agent can identify bugs, suggest features, and create issues in the project management system.





The Agent as a Team Player 2/2

Automated PR reviews and suggestions

The agent can assist in reviewing pull requests, providing feedback, and suggesting improvements, or even creating them.

Helping with project management and documentation

The agent can help organize tasks, update documentation, and ensure that the project stays on track.

Homework for the curious_

BMad Method

A methodology to build software with AI assistance, focusing on breaking down tasks into manageable chunks. **Learn more**

Spec Driven Development

makes your specification the center of your engineering process **Learn more**




Demo Time!

Conclusion 1/2

Development is changing

The role of developers is evolving with the integration of AI and automation.

Less focus on write tasks, more on high-level design and creativity

Developers can now focus on more complex and creative aspects of software development.

Conclusion 2/2

AI and agents are our collaborators, not replacements

Embracing these tools can enhance productivity and innovation.

Embrace the flow and let the agents handle the routine

By allowing AI to take care of repetitive tasks, developers can concentrate on higher-level problem-solving and innovation.


Enjoy the journey!

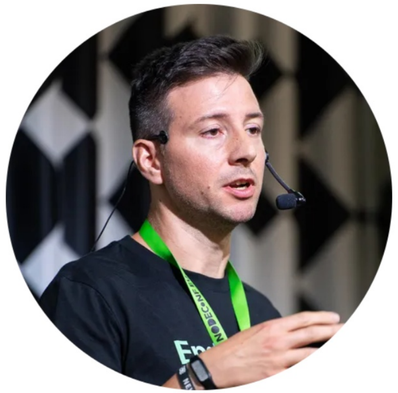


Thank you!

Luca Del Puppo @puppo92
Nearform_ luca@delpuppo.net

Nearform_

Bye Bye , I'm **Luca**!_



Nearform_ AI Native Engineer

GDE Web Technologies

delpuppo.net puppo puppo92 lucadelpuppo



Questions



Nearform_

View online

Download PDF

Download PPTX

Vibe Coding: Let’s Follow the Flow _

Luca Del Puppo Nearform_

N_