Purwadhika
Digital Technology School
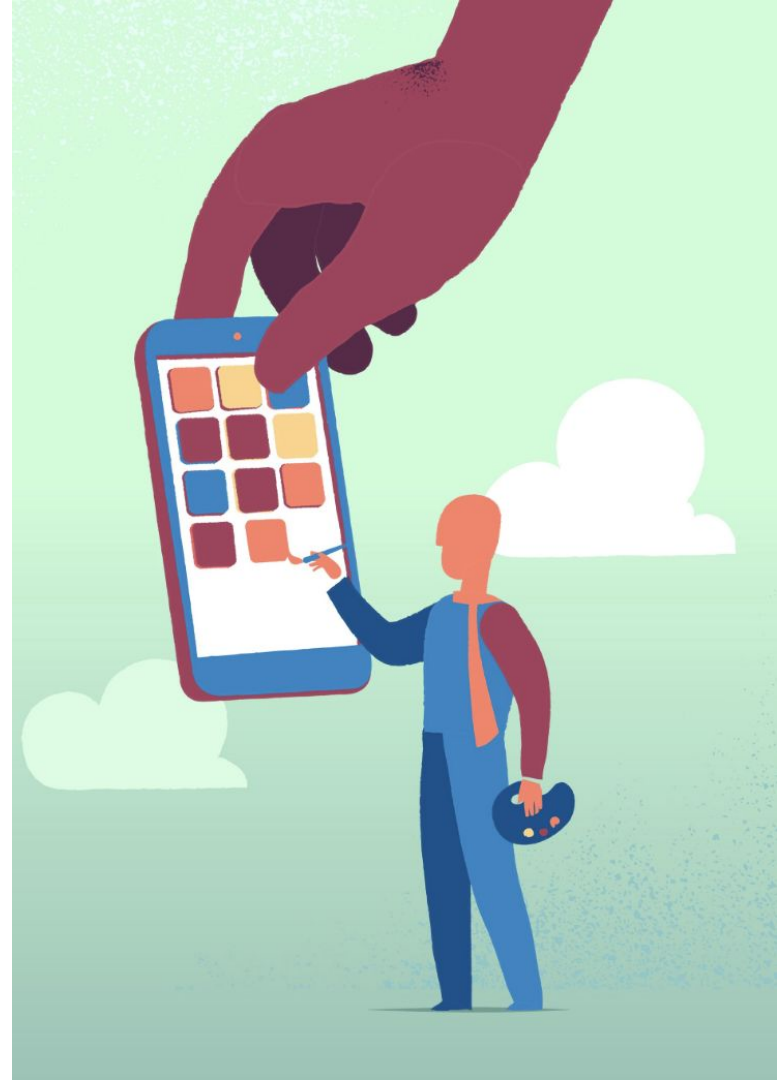
Full Stack AI Software Development

AI-Enhanced Low-Code/No-Code Platforms

Job Connector Program

What Are Low-Code & No-Code Platforms?

Low-code and **no-code** platforms allow you to build functional applications using visual interfaces instead of writing every line of code manually.

For a developer, these tools **serve as "accelerators" rather than replacements**. AI features within these platforms act as a secondary "Copilot" to speed up repetitive tasks.

Conceptual Breakdown

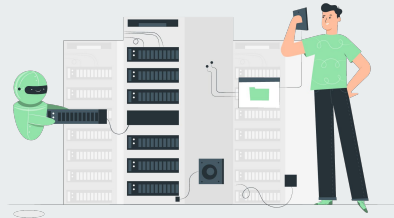|	Core Meaning	Role of AI
No-Code	Build via drag-and-drop; no syntax required.	Generates UI from a text prompt.
Low-Code	Visual building + custom scripts (JS/TS).	Suggests logic or fixes bugs in custom code.
Pro-Code	Your current stack: TS, Vite, Express, Postgres.	Primary logic and data source for LCNC.

Implementation Pathways

As a web developer, you can integrate LCNC tools into your existing workflow in three primary ways:
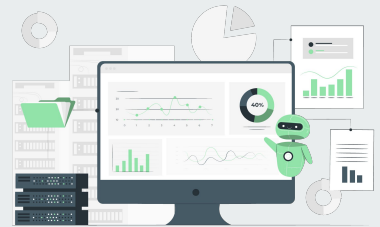
Frontend-First

Backend-as-a-Service

Admin/Internal Tool

The "Frontend-First" Approach

You build the UI visually but connect it to your backend via REST APIs.

Steps:

- Design UI components in the tool.
- Use the tool's API connector to call your backend endpoints.
- AI Use: Use "Prompt-to-UI" to generate a starting dashboard layout.

https://www.flutterflow.io/

weweb

https://www.weweb.io/

The "Backend-as-a-Service" Approach

Replaces or supplements your backend with a managed interface.

Steps:

- Define your schema in a spreadsheet-like view.
- Auto-generate APIs for your frontend.
- AI Use: Generate schema relationships based on a description (e.g., "Create a many-to-many relationship for users and projects").

https://supabase.com/

Firebase

https://firebase.google.com/

https://www.xano.com/
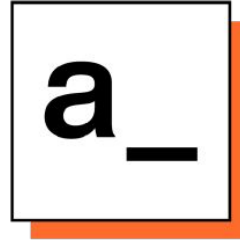
backendless

https://backendless.com/

The "Admin/Internal Tool" Approach

Best for building internal dashboards or CRUD interfaces quickly on top of your existing.

Steps:

- Connect the tool directly to your DB.
- Write SQL queries inside the tool to fetch/update data.
- AI Use: Use the "Text-to-SQL" feature to draft complex joins or aggregations.

https://www.appsmith.com/

https://retool.com/

Thank You!