



Serhii Deineko

I am a developer with 5 years of experience, specializing in programming modern business solutions based on Angular.

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Angular , TypeScript , JavaScript , RxJS , Angular Signals , PrimeNG , Angular Material , Vue3 , Firebase , PHP , SQL , Web Components , Tailwind CSS , SCSS , Vitest , Git , Node.js , HTML/CSS , UI/UX Design , Responsive Design .

Education ²

 Dnipro University of Technology (Ukraine) | nmu.org.ua | 2017–2018

 PSW w Białej Podlaskiej (Poland) | akademiabialska.pl | 2019 – 2021

Information technology / Computer Science / Software Engineering

Experience ²

■ Frontend Developer | yarri.pl | november 2023 – present

Software house creating dedicated solutions. Besides supporting an existing application for **BNP**, in other projects I took full responsibility for the architecture and building the frontend from scratch:

- 1) **BNP Genesys Cloud** [ Angular] — supporting the development of an application for interaction management and client inquiries.
- 2) **InPost Genesys Cloud** [ Angular] — internal application for intelligent searching and comprehensive handling of client inquiries from various communication channels.
 - a) Frontend architecture in Angular 21 (Standalone Components) in a layered structure with state based on Angular Signals.

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- b) Bulk engine based on RxJS with asynchronous background task polling and automatic recovery of interrupted sessions.
 - c) Context-aware component pattern (dependency injection): one component handling different table and filter schemas depending on the view / routing and user permissions.
- 3) InPost Widget Callback [ Angular]** — built the frontend for a widget used for ordering callbacks or booking appointments.
- a) State management based exclusively on Angular Signals, eliminating the need to load heavy libraries in the widget.
 - b) Full responsibility for architecture: complete web component (@angular/elements) with isolation in Shadow DOM and runtime configuration via HTML attributes.
- 4) AISEMA [Vue 3]** — Intelligent platform for searching EU funding. Helps researchers and coordinators quickly find funding and partners for projects.
- a) Designing a multi-stage search creator starting from a competition, through related projects, to partner selection.
 - b) Implementation of analytical dashboards (timelines, bubble and scatter charts) with a proprietary algorithm for spreading overlapping points in dense data sets.
- 5) Chatbot Widget [Vanilla JS]** — built the frontend for a shopping assistant widget that handles conversations, presents matched products, and assists with the complaint process.
- 6) Speech Analysis [ Angular]** — platform for conversation analysis and evaluation of consultant work quality for a large call center.
- a) Interactive analysis interface with bidirectional synchronization of audio playback with corresponding transcript fragments.

■ **Fullstack Developer | larkfactory.com | july 2021 – present**

Independent design and implementation of web tools (frontend and backend) for a manufacturer of mobile and modular homes — as the sole developer, with full responsibility for architecture and deployment.

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- 1) **Mobile home configurator [Vanilla JS / PHP]** — interactive mobile home configurator supporting the sales process.
 - a) Created a state architecture in pure JavaScript (object-oriented patterns with separated product and user state models) and a rendering engine consisting of graphic layers.
 - b) Built an interactive texture editor on HTML5 Canvas for selecting additional facade materials: area masking via drag-and-drop, scaling, edge detection (alpha channel analysis), and real-time application of secondary materials.
- 2) **Production order system [ Angular]** — B2B class system for creating production specifications, based on which mobile and modular homes are directly produced.
 - a) Developed a dynamic, multi-step reactive form system driven by complex database schemas, which automatically adapts in real-time to varying production and product configuration options.
 - b) Automatic generation of multi-page production specifications used in home production.
- 3) **Complaint handling system [ Angular]** — B2B2C class system for reporting and handling complaints about modular homes.
 - a) Designed a serverless architecture combining frontend, real-time database, and event-driven email notification system generating localized, detailed change logs in the submission.
- 4) **Marketing offer generator [Vanilla JS / PHP]** — marketing offer generator that allows sales representatives to create a print-ready, personalized marketing offer.
 - a) Implemented an AI model for categorizing photos by room, streamlining the process of embedding them into offers.
 - b) Interactive inline content editing, drag-and-drop file upload, and photo cropping with layout adjustment capability.
- 5) **CRM system for leads [Google Apps Script]** — tool for the marketing team with automatic distribution of leads from websites to Google Sheets, including control and a dashboard.

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