

# Genek Tomashko

## Full Stack Developer | UI/UX Designer

### Contacts

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### Skills and Expertise

Javascript / ES5 / ES6, Typescript ★★★★★

Figma ★★★★★

Node.JS / Express ★★★★★

React Ecosystem ★★★★★

Vue 3 / Nuxt 3 ★★★★★

HTML / CSS / SCSS ★★★★★

Bootstrap 4 / 5 ★★★★★

Tailwind ★★★★★

### Employment

Feb 2022 – Present	«Dopomoha Kharkiv» Foundation, Full stack developer, automation coordinator, project manager
Dec 2021– May 2022	<a href="https://42flows.tech">42flows.tech</a> , junior front-end developer (React / Redux)
March – June 2018	NGO «Charity Tuner», web developer (wordpress)
May 2017 – Jan 2018	NGO «Day of Music», web developer (html / css, wordpress)
2008–2021	Graphic Designer, UI / UX Designer, Motion Designer <a href="#">Full CV for web designer profession</a>

# Delivered Projects

## 1. Appeals for Humanitarian Aid CRM

Developed as a custom solution for “[Dopomoha Kharkiv](#)” in 2022–2023

*Role:* product owner, full-stack developer

*Goals:*

- To provide a convenient way for volunteers to access and edit from various devices the database of aid seekers.
- To create an interactive visualization of requests geography and provide an easy way to group and process requests via neighbourhood.

*Delivered:*

- 1) Developed the CRUD API for requests database access (Node.js + Express)
- 2) Developed and launched the Telegram chat-bot (Node.js + Grammy.js + Google Sheets API)
- 3) Developed and launched CRM for web and mobile access
- 4) Implemented custom authentication for volunteers via Google OAuth 2.0 and Passport

## 2. Next-Generation Communication Platform for 42flows.tech

*Role:* Junior Front-End Developer

*Goal:* To develop new and to support existing features for the communication platform as a part of scrum full-stack team.

*Delivered:*

- 1) Features of rich text formatting and representation in user messages with emphasis on fast and convenient user input (using Draft-js libraries)
- 2) Fixed a variety of defects in messenger representation
- 3) Worked on performance optimizations
- 4) Transferred app modules from Javascript to Typescript
- 5) Took part in team efforts of planning and improvement of the project

### 3. [Projects portfolio website](#) for NGO “Day of Music” | [Code on Gitlab](#)

*Goal:* create and deploy the website which presents projects and events of Kharkiv NGO

*Delivered:* created a responsive website using wordpress base theme and Skeleton css, wrote wordpress plugin that adds custom fields and post types to wordpress, so that each project would be represented on the main slider (jQuery + Slick)

### 4. [Community Hub “Studio 42” Website](#) | [Code on Gitlab](#)

*Goal:* complete and customize the frequently updated wordpress website: improve UX and update layout in the Wordpress theme; fix bugs with multi-language plugins; automate repetitive tasks to speed up work of content managers

*Delivered:* created a child theme, corrected defects with display on mobile device screens, added styles of interactive page elements, added custom fields to wp-admin that simplified the work of content managers, corrected defects of the multilingual version.

## Educational projects

- [Plugin for Lunacy App](#)

*Goal:* to make working with artboards more convenient in [Lunacy](#).

*Delivered:* Created a plugin that places randomly spaced artboards on a grid with equal distances. Management takes place through a menu with 3 options: 1) arrange selected artboards, 2) arrange all artboards on the active page, 3) arrange all artboards in the document.

- [Browser plugin](#) that automates making screenshots in social networks

*Goal:* to document any actions of suspicious accounts in social networks (bots, sock puppets) during the election time, so that their activity can later be manually analyzed without the risk that the information will be deleted. Automate the creation and storage of such screenshots to construct full history from the time of account creation to the current time.

*Delivered:* As a proof of concept, I created a Firefox plugin that takes screenshots of an open twitter account page and then allows the browser to lazily load tweets before scrolling. Tested the plugin on several bot accounts, saved the results for history, and outlined ways to optimize.

- [Speech Recognition CLI](#) (*Simple Node.js utility for text recognition of long audio files*)

*Goal:* to make it easier for interviewers with transcription of long audio files.

*Delivered:* Configured Text-to-Speech API on Google Cloud Platform, developed the CLI utility which splits long audio files into smaller chunks and manages their upload and transcription with Google Cloud API. Gathered all the settings in a separate config file.

- [Vue 3 test task](#) for Aimprosoft
- [HTML / CSS test task](#) for Aimprosoft
- [Code-along for Redux tutorials](#)
- [Coursera React](#) — code for one of the online courses
- [Coursera Bootstrap](#) — code for one of the online courses

## Education and Academic Activities

### Courses

- [React. The Complete Guide Including Redux](#) (Udemy)
- [TypeScript 4](#) (Codeschool / Pluralsight)
- [Redux 3 Saga](#) (Codeschool / Pluralsight)
- [Learn Redux by coding a mini-Redux](#) (tutorial)
- [Front-End Web Development with React](#) (Coursera)
- [Server-side Development with NodeJS](#) (Coursera)
- [Relational database systems](#) (Coursera)
- [Front-End Web UI Frameworks and Tools: Bootstrap 4](#) (Coursera)
- [Javascript Part 1, 2, 3](#) (Codeschool / Pluralsight)
- [Javascript Best Practices](#) (Codeschool / Pluralsight)
- [ES2015](#) (Codeschool / Pluralsight)
- [Getting Started with OAuth 2.0](#) (Codeschool / Pluralsight)

### Academy

2009–2011 — Karazin Kharkiv National University, Media & Communications department.  
Master's degree.

2004–2008 — Karazin Kharkiv National University, Chemistry department, Bachelor's degree.

## Languages

- Ukrainian (native)
- English (advanced speaking, reading and writing)
- Polish (speaking, writing with dictionary)

# Change of Profession (UI / UX Designer to Full Stack Developer)

After years of work in the field of graphic and UI/UX design, I decided to expand my expertise to include web application development. In 2017–2018 I took smaller projects with Wordpress theming, after that I began to actively take courses in vanilla Javascript, and later in mastering various Javascript frameworks (React and Vue on the Front-end side, Express on back-end). By the end of 2021 this led to my first job as a front-end developer in [42flows.tech](https://42flows.tech).

Due to russian full-scale invasion in 2022, the project I was working on was closed. Later I continued my path as a Full Stack Developer, automating flows and solving problems for “Dopomoha.Kharkiv” Foundation, of which I am one of the founding members.

Currently I am looking to apply my experience as a full-stack developer with commercial and non-profit projects to the new challenges.