## WHAT WOULD YOU CODE FOR?

As our name boldly points out, our core mission is writing lines of code to make Romania a better place to live in. We believe in finding tech solutions worthy of the 21st century for societal problems.

Tech for Social Good is thus **the core programme of Code for Romania**, the programme where we roll our sleeves and develop those solution.

In a country that rightfully prides itself with its tech talent and a booming IT industry, our mission is to offer a platform for the country's IT specialists to put their skills at work to **Upgrade Romania one app at a time**.

**550+ volunteers**  **200+ currently active in projects**

**4/5 senior professionals**  **1/5 junior professionals**

**45 074 pro bono working hours**  **1 756 350 Euros in pro bono working hours**

Info as of June 1st 2018

# SECOND LARGEST CIVIC TECH COMMUNITY WORLDWIDE

Code for Romania is right now the second largest civic tech community worldwide and by far one of the most impactful.

We are also a partner organisation within **Code for All, the largest civic tech network worldwide.** The network brings together some of the biggest global players in civic tech in over 14 countries across 5 continents.

Being part of the Code for All network offers our volunteers the chance to engage with similar communities worldwide and exchange knowledge, co-create, share best practices and exchange resources.

# ENSURING MAXIMUM IMPACT FOR EACH LINE OF CODE

Tech for Social Good is not a programme that exists in a vacuum. **Two-thirds of our community are non-tech and work on other complementary programmes making sure to maximise the impact of the work invested by each volunteer developer.**

Through a process that takes up to a year, we identify the most burning social blockages Romania is facing, thoroughly **validate** each of the identified problems, look into possible solutions, test them and pick the best ones to go into the Tech for Social Good programme.

From the incubation phase of each project, we set **clear KPIs** for each of the apps that enter into development. These KPIs are included in the contracts signed with any of our partners and are frequently monitored after the launch of the app. Based on this monitoring we identify improvements that go into the 2.0 version of each app.

Our communication department builds a **tailored communication strategy** for each digital tool we developed and assigns a team to implement it, ensuring that every app reaches its potential users.

Everything we build is **open source** under the MPL 2.0 license, meaning that any of our work can be reused and replicated. The Code for Romania team ensures that any suitable app is also deployed in the Republic of Moldova and is actively searching for international opportunities to **replicate** the app.

Whenever we engage another NGO to manage any part of an app after its launch, we sign a contract that sets **clear obligations** to ensure the app is utilized to its fullest extent and never used for profit or in a politically partisan manner.

# A FOCUS ON STANDARDS AND QUALITY

The quality of our work is of utmost importance to us. From clean code, open data standards and much more, the teams have to always pay attention to building a solution that is easily replicable, as modular as possible and well documented for other developers to be able to join the development in record time. Every app developed by Code for Romania satisfies these criteria:

**>>** Open source                    **>>** Mobile First
**>>** Open data standards             **>>** Ergonomics
**>>** IT security standards           **>>** Modularity
**>>** Clean code                      **>>** Usability standards

We strive to introduce full accessibility as one of the criteria as soon as possible.

So far we developed 6 civic apps, all satisfying the above criteria.

# UPGRADING ROMANIA
# ONE APP AT A TIME

We believe in structure, incremental progress and in good, validated practices. Every project that enters the Tech for Social Good programme will benefit from a core team made of a Coordinator, a Tech Lead and an User Experience Architect and follow certain workflows:

**>>** Each project team, together with the Tech Department choose the **most suitable technologies** and solutions for each app based on a thorough initial assessment of resources, usability and maintenance costs.

**>>** We follow **a clear project flow** from beginning to launch, with specific output at every stage of the process.

**>>** We use **dedicated productivity and communication tools. Slack** for communication and calls, **Google Drive** for document storage, **Jira** for task management, **Confluence** for project documentation, **Moqups** for prototyping, **Github** for contributing code and other specialised tools.

**>>** We **keep a constant tempo by working in agile sprints.** Each team has **weekly or bi-monthly scrum meetings** as well as a **Monthly Touch Base call** with the Tech Department to monitor progress and get the necessary assistance.

**>>** We **recruit the appropriate volunteers for development.** Together with our Community Department, every Tech Lead has the responsibility to search volunteers who can keep a solid pace in development.

**>>** We **make sure to test and secure the solution.** Closing in to the launch stage, the team must gather a dedicated QA group that will test and validate the functionalities of the solution. At the same time, our IT Security Officer will ensure that the solution meets all the necessary standards.

# CODE FOR ROMANIA'S TECH DEPARTMENT: MAKING SURE THE MAGIC HAPPENS

None of our projects would see the light of day without the constant support of our Tech Department which makes sure to:

**>>** Recruit Tech Leads and maintain the tech community within Code for Romania engaged;

**>>** Maintain continuous contact with each Tech Lead and make sure that each of them and their projects have access to all support needed;

**>>** Set-up and continuously maintain the infrastructure;

**>>** Set-up the infrastructure for each of our Monthly Hack Days;

**>>** Together with their teams they engage in specific areas of the project flow. Business Analyst and the Tech Research Officer have specific roles through the first stages, while the Infrastructure Officer and the IT Security Team set up the right staging and production environments for the app development.

| Razvan Pavel | Andrei Ionita | Bogdan Vizureanu | Mihai Dobos | Irina Borozan | Mihai Oprea |
|---|---|---|---|---|---|
| Co-founder & Chief Technology Officer | Technology Officer | Co-founder & BA Officer | Co-founder & IT Security Officer | Tech Research Officer | Infrastructure Officer |

# MONTHLY HACK DAYS: CODE FOR SOCIAL GOOD

We do not believe in one time wonders. You cannot create amazing apps overnight, but you can contribute to them one day at a time. **Through our Monthly Hack Days we want to offer those developers that want to write code for a social cause the platform to do so: one day, every month, in 7 cities across Romania and online for those in the diaspora or who prefer the comfort of their own home.** The Code for Romania staff makes sure that all the logistical details are taken care of and the volunteers have the time of their life.

The mechanics of this are simple: the Tech Department, together with the Tech Leads set up the entire development infrastructure necessary, so that any developer can simply **come in, plug in his laptop and start coding**. All the tasks are visible, detailed and clear documentation is in place. The Tech Leads and Coordinators will be present for support all throughout the event.

While naturally open to the entire Code for Romania community, the Monthly Hack Days are open to any developer that wants to join in for the day. This way, we hope to make the Monthly Hack Days a strong and permanent core event for the developers and UX communities in each of the 7 cities: **the monthly event where you go to code for social good.**

Besides offering developers a civic engagement opportunity, the Monthly Hack Days are a good ocassion to boost all the projects in the programme. Equally, the Monthly Hack Days are meant to consolidate the local communities as well as the project teams by bringing them together for a full day of working side by side.

# MONTHLY HACK DAYS:
# CODE FOR SOCIAL GOOD

Another attraction is that, the developers participating in the Monthly Hack Days will be able to choose from an array of projects. We try to always have a mix of projects in development both in terms of technologies and social scope. During the Monthly Hack Days you should be able to find a project of your own liking and a technology you are comfortable working with.

Currently, we have 6 civic apps in development in the Tech for Social Good programme. They cover a variety of subject: arts, open data, election monitoring, legal tech, transparency and vulnerable groups. Every few months a new app comes out of incubation ready for development and enters into the Tech for Social Good programme, further diversifying the areas which developers can work on.

The technologies used include, but are not limited to: AngularJS, C#, Elm, Java, JavaScript, Python, PHP, React.js, Node.js, Swift, TypeScript

**code for Romania**

contact@code4.ro

# LET'S UPGRADE ROMANIA
# ONE APP AT A TIME