

GSoC Organisation Selection Report

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Domain Interest: Web Development (Frontend + Full-stack)

Executive Summary

1. Organic Maps
2. Grame(Faust)

Detailed Organisation Analysis

1. Organic Maps

Website/Repo:

<https://organicmaps.app>

<https://github.com/organicmaps/organicmaps>

Tech Stack: C++, Java, Android, IOS, OpenStreetMap

A. The "Why" (Qualitative)

- Mission Alignment: Organic Maps is a privacy-focused offline maps and GPS app for hiking, biking, and driving. Organic Maps is one of the few applications that supports 100% of the features without an active Internet connection.
- Project Interest: GSoC ideas around project interests should clearly align with offline, privacy-respecting maps and navigation, and show how you can deepen features that work fully without internet.

B. The "Stats" (Quantitative)

- GSoC History: Participated in multiple years, from 2022 to 2025; listed as an official mentoring organisation with defined projects.
- Recent Activity: The Main repo shows continuous activity with recent commits on the `main` branch and automation workflows regularly running.
- Issue Tracker Health:
 - Total Open Issues: The main repo has a substantial number of open issues (thousands), indicating an active backlog.
 - "Good First Issue" tags: Yes, there are beginner-friendly labels, but they are also a little difficult for me, but I am working on it.

C. Achievability Assessment

- Skill Match (1–5): 2 – Familiar with Web Dev, Android/IOS, and Java/c++ may require learning, but concepts transfer well.

2. Grame(Faust)

Website/Repo:

<https://faust.grame.fr>

<https://github.com/grame-cncm/faust>

Tech Stack: C, Python, C++, JavaScript, Rust

A. The "Why" (Qualitative)

- Mission Alignment: Faust (Functional Audio Stream) is a functional programming language for sound synthesis and audio processing with a strong focus on the design of synthesisers, musical instruments, audio effects, etc. Created at the GRAME-CNCM Research Department.
- Project Interest: Faust's GSoC projects are always about extending the Faust ecosystem (tools, integrations, infrastructure) rather than pure music "applications," with a strong focus on practical, shippable features like IDE tooling, plugin formats, web/embedded integrations, and advanced DSP/ML workflows.

B. The "Stats" (Quantitative)

- GSoC History: Participated in multiple years, from 2022 to 2025; listed as an official mentoring organisation with defined projects.
- Recent Activity: Faust version 2.81.10 released on October 4, 2025, available via Chocolatey for audio applications and plugins.
- Issue Tracker Health:
 - Total Open Issues: The project has a small curated issue list, which is mostly based on Rust.
 - "Good First Issue" tags: No clear labelling is mentioned other than some (like enhancement).

C. Achievability Assessment

- Skill Match (1–5): 3 – Strong alignment with C++ web development, plus some JavaScript/TypeScript for admin UI, which is a natural next step from current skills.

Community & Culture Check

Organisation A: Organic Maps

- Communication Channel: There are mainly two telegram channels, one for news and updates and another one for general communications. I have joined both of them, and I am trying to be active in them.
- Responsiveness: Past GSoC reports and posts suggest mentors actively review PRs and provide feedback during the program, with regular interaction during coding periods.

Organisation B: Grame

- Communication Channel: It has a Discord channel for communication, but I am having difficulty joining it due to some account verification errors, but I will solve it soon
- Responsiveness: The combination of frequent releases, a large contributor base, and GSoC-style blog posts indicates that maintainers and mentors engage actively with questions and contributions, especially around roadmap features.

✓ Final Verdict

My Choice: Organic Maps Reason: Organic Maps offers a full-stack web development environment, which matches my interests. Learning C++, JS and web development through Grame in parallel creates a shared skill base that remains valuable even if GSoC selections change in 2026, but Organic Maps currently appears the most realistic to "crack" thanks to its domain fit, active issue tracker, and proven GSoC track record.

