

Kostis Maninakis

Senior full-stack engineer in TypeScript and Vue: web apps, peer-to-peer and developer tools

Hand me an idea and I can run with it end to end: architecture, code, UX, brand and launch. On my own, leading a small team, or joining yours.

Full-stack web since 2015, TypeScript since 2016, Vue since 2019, Nuxt since 2021; along the way I led a team of up to 15. Since 2022, developer tools for Radicle, a peer-to-peer code collaboration network, first at Radworks and now independently.

maninak@pm.me · maninak.com/cv · github.com/maninak · npmx.dev/org/maninak · crates.io/users/maninak

Vienna (CET), remote or hybrid · Contract, 20 to 30+ hours a week · EU citizen, no sponsorship needed

Greek (native), English (C2), German (B2)

In short

- Got elected tech lead of a struggling [EUR 4.5M construction platform](#), and took it to recurring revenue.
- Found and disclosed that Radicle nodes send private repositories in cleartext, a [critical vulnerability](#) whose fix brought Radicle 2.0 forward.
- Took over a Swiss fintech's Nuxt site, fixed hundreds of UI and UX issues, and trained its in-house team to carry it on.
- [ts-xor](#), my TypeScript library, has 25M+ npm downloads and 6,800+ dependents.
- Author and maintainer of [Radicle's VS Code extension](#), with 21 releases since 2023.
- Building [Grove](#), a peer-to-peer code forge like GitHub, with no server doing the work, in a browser tab. The first of its kind.

Recommended “Mr. Maninakis was a very motivated employee who realized the agreed goals extremely ambitiously and independently. His precise way of working and his assertiveness were remarkable.”
Markus Nenning, **Managing Director, Sclable**. [Read the letter](#)

“We would be happy to work with Mr. Maninakis again in the future.”
Patrick Ottenschläger, **Head of Software DevOps, Umdasch Group Ventures**. [Read the letter](#)

Experience

- Jun 2026 – present **Founder and engineer at [radicle.tools](#)**
Vienna. Own product.
- Building [Grove](#), a first-of-its-kind peer-to-peer code forge in a browser tab, in Nuxt and Vue over Rust wasm. [Early access](#).
 - Product, brand, site and launch copy.
- May 2025 – Jun 2026 **Family sabbatical**
- Became a father.
- Oct 2022 – Apr 2025 **Senior engineer, developer tooling at Radworks**
2 yr 7 mo
The organisation behind [Radicle](#), a peer-to-peer GitHub alternative. Remote. Full time from January 2023. Freelance.
- Built the Radicle VS Code extension and still maintain it, with 21 releases since April 2023.
 - Led Radicle Planning Boards, a funded Kanban tool for Radicle issues, and interviewed and hired its developers; the org paused it before launch.
- Oct 2022 – Dec 2022 **Senior front-end developer at [Umdasch Group Ventures](#)**
3 mo
The Umdasch Group's innovation hub, on its construction-site app Sitelife. Freelance.
- On a React and TypeScript codebase, moved the build to Vite 4 and the tests to Vitest, cut lint time about 16x, upgraded Storybook and Tailwind CSS, and code-split the planning module.
- Nov 2021 – Sep 2022 **Senior full-stack engineer at [GenTwo](#)**
11 mo
Swiss fintech. Remote. Freelance.
- Took over gentwo.com with a free hand. Migrated it to latest Vue/Nuxt, resolved heaps of technical debt, put much more content in the CMS so pages ship without an engineer; fixed hundreds of UI and UX issues and overhauled performance, SEO, accessibility and security; trained the in-house team to carry it on.
- Jan 2019 – May 2021 **Tech lead at Sclable**
2 yr 5 mo
Vienna. Employed.
- Kontakt is a EUR 4.5M platform for the logistics and analytics of large construction sites. The team elected me its tech lead soon after I joined. I pulled the product from imminent failure into recurring revenue, leading up to 15 people across disciplines.
 - Made the app over ten times faster, and built its 3D CAD and construction-planning module in Babylon.js.
- 2014 – 2018 **Earlier roles**
- BestPrice.gr, full-stack web developer (2018); Clearhaus, full-stack product engineer (2017); Plirono, founder and CTO (2016 to 2017); Omnixell, mobile app developer, intern (2016); Cretan Sport Cycling, web developer and product owner (2015 to 2016); FORTH-ICS, guest researcher, part time (2014 to 2015); university programming courses, private tutor (2014 to 2015).

Open source and products

Aug 2026 **ts-xor surpassed 200,000 downloads per week**

Aug 2026 – **radicle-backup**. Rust command-line tool, on crates.io.

- The de-facto standard tool for any Radicle user who wants to back up, verify, restore or move their identity, keys and private repositories. Runs as `rad backup`.
- Seeded by more nodes than 99.8% of the network's repositories (stats.radicle.at, 30 September 2026). Suggested to users in Radicle's support channel.

Jan 2023 – **Radicle for VS Code**. VS Code extension.

- Nearly 3,000 installs and downloads across the VS Code Marketplace and Open VSX.

Also: [@maninak/eslint-config](https://github.com/maninak/eslint-config) (since 2023) and `ts-xor` (since 2019).

Infrastructure I run

Jun 2026 – **radicle-seed-prune**. `rad-prune`, a seed operator's tool in bash.

- Keeps a public seed's disk in check by pruning stale, abandoned and spam repositories, utilizing advanced heuristics and deep file analysis. One pass on [radicle.at](https://stats.radicle.at) freed 18 GiB across 1,341 repositories; it runs there weekly.
- Radicle's own maintainers run it on the project's official public seeds.

Jun 2026 – **stats.radicle.at**. Network analytics.

- The de-facto standard site for any sort of Radicle-related analytics and insights, covering storage, replication, collaboration and traffic, rebuilt nightly in only 3 minutes by a scan, derive and build pipeline in Python.
- Every mirrored repository and every identity gets a page with an innovative interactive activity [timeline](#) that established forges like GitHub would be jealous of.

Mar 2024 – **radicle.at**. Public Radicle seed node.

- Mirrors about 82% of the network's public repositories (29 September 2026), and [keeps users well-connected](#) when Radicle's official seeds come short in the face of demand.

Also: api.radicle.tools (since 2026).

Security

Sep 2026 **Radicle nodes send private repositories in cleartext**. Coordinated vulnerability disclosure.

- Caught it when Grove's encrypted connections kept dying, because real nodes were not encrypting at all. Anyone on the path between two nodes can read every private repository they exchange. [Radicle's announcement](#) credits me with the report; [my own write-up](#) narrates how and what I found.

Jul 2026 **Strict signature verification in heartwood**

- Noticed that the reference node had stopped rejecting weak Ed25519 keys after a crypto-library change; Grove already verified strictly. Co-authored the [upstream fix](#), which switched to strict verification and shipped in Radicle 1.10.1 in August 2026.

Skills

Web: Vue 3, Nuxt, TypeScript, JavaScript, Vite, Tailwind CSS, progressive web apps, accessibility, performance, security, SEO

Back end and data: Node.js, REST, GraphQL and Apollo, Strapi, SQLite, MongoDB, Python for data pipelines

Testing and tooling: Vitest, Playwright, Cypress, Jest, ESLint rule authoring, pnpm monorepos, CI, npm publishing

Editor, browser and Rust: VS Code extension API and webviews, Monaco, Web Workers, OPFS; Rust for a CLI on crates.io and a wasm crypto core

Operations: bash, Caddy, systemd, Cloudflare Pages and KV, operating a public seed node and other 24/7 services on a Linux VPS

Beyond code: product design, UX and UI copy, brand, hiring and mentoring, client work and pitching

Earlier: React (most recently 2022), Next.js, Angular, Ionic, PHP, Java, C and C++

Talks

Jun 2024 **Speaker, ViennaJS**. “Radicle: a sovereign, peer-to-peer, open-source network for code collaboration”.

Education

Feb 2020 **Vue 3 deep-dive workshop**. With Evan You.

Oct 2007 – **Computer Science, undergraduate studies**. University of Crete.

Jan 2014