Florian Plattner

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WORK EXPERIENCE

Lead Developer **2021 - January 2026**
Escola GmbH Zürich, Switzerland

- Lead a team growing to 11 engineers
- **Code review:** Introduced pull requests and code review, with 10'000+ PRs merged to date.
- **Laser-PDF:** Built an open source PDF generation library in Rust. Including precise layout using 28 different layout elements, rich text and font-fallback. Used for 300+ different PDF exports. Renders 1'000+ pages per second.
- **Security improvements:** Made various security improvements including systematically solving XSS and SQL injection vulnerabilities.

Software Engineer **2019-2021**
Escola GmbH Zürich, Switzerland

- **Forms engine:** Created a flexible system for creating custom forms for customer data entry. Has been used to create 500+ different forms.
- **Mobile app:** Built a mobile app used by 200'000+ users including a data-sync protocol and webviews.

Software Development Internship **2019**
Sitrox AG Zürich, Switzerland

- **Ruby on Rails development:** Worked on internal and customer facing Ruby on Rails projects.

TECHNOLOGIES AND LANGUAGES

- **Languages:** Rust, TypeScript, JavaScript, PHP, Dart, C/C++, Python
- **Technologies:** Git, Vue.js, Tailwind CSS, Flutter, MariaDB, Linux, Docker, Nix, GDB

OPEN SOURCE CONTRIBUTIONS

- **slint-ui/slint#12568:** Fixed a compiler bug in the Slint UI language.
- **mitsuhiko/insta#610:** Added binary snapshot support to the Insta snapshot testing library.
- **php/php-src#20818:** Found and analyzed a bug in the PHP tracing JIT compiler.

PERSONAL PROJECTS

- **fluorine:** A Rust reactivity library with a novel design.
- **spicetime:** A minimal generational cell type for Rust.
- **treeq:** A code rewriting tool using JQ syntax and Tree-sitter syntax trees.
- **is-this-a-lisp:** A Lisp implementation created from first principles.
- **hacky-rubiks-solver:** Using a property testing library and a fuzzer to solve a Rubik's cube.
- **Various experiments** around building GUI libraries in Rust, focusing on state management, data-flow, layout and reactivity.

BLOG

- **Creating a VGA Signal in Hubris**
- **A Shared Syntax for Custom Languages**

EDUCATION

Informatiker, Fachrichtung Applikationsentwicklung EFZ **2015–2019**
Rafisa Informatik GmbH Dietikon, Switzerland