



Filip Brčić
Developer



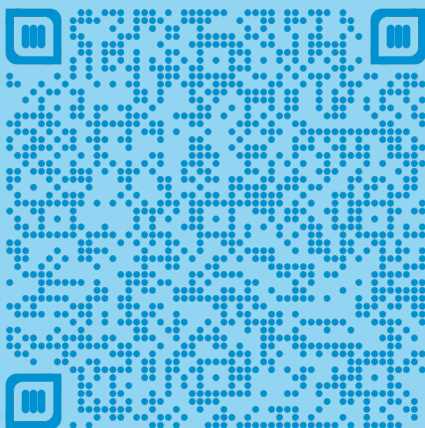
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The University of Belgrade
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Control systems engineer

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ABOUT ME

Software engineer with over 20 years of experience in various programming languages and a passion for the functional paradigm. Known for efficiency in hunting bugs in large codebases and elevating them to new standards of efficiency and maintainability. Adept at leveraging cutting-edge technologies to create seamless and effective code.

SKILLS

C/C++ ●●●●●	Rust ●●●●●	Haskell ●●●●●
Python ●●●●●	HTML/CSS ●●●●●	JavaScript ●●●●●
React ●●●●●	Svelte ●●●●●	Qt & QML ●●●●●

LANGUAGES

Serbian ●●●●●	English ●●●●●	French ●●●●●
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WORK EXPERIENCE (recent)

- » Senior developer @ J&T Technology 2023 —
- Custom plugin for Odoo in Python
- » Senior developer @ Netizen 2023 —
- QR core invitation Android app in Kotlin with Rust backend
- Bugfix and improve custom kanboard plugin
- » Senior developer @ Impedanca 2022 — 2023
- Work on high-level embedded software based on FreeRTOS in C++
- Port entire buildsystem from MSBuild to CMake and add git hooks for safety
- Fix multiple long-standing bugs
- Implement CANbus (+ UDS and OpenCAN) on embedded, memory-limited Arduino in C
- Implement CANbus desktop component in Rust, cross-platform for GNU/Linux and Windows, with QML GUI and real-time charts displaying data from CANbus implemented in JavaScript.
- » Various stuff @ Ana Consult doo. 2020 —
- Video editing of zoom conference videos
- Created a temporary web site for purposes of an event (Svelte)

PERSONAL PROJECTS (some)

- » Lecture on C++20 Ranges @ CppDUG 2020
Video available on YouTube: <https://youtu.be/gcuiHA1DhVA>
Presentation available on my site: <https://cxx20ranges.brcha.com>
- » Help port Unreal Engine to GNU/Linux 2016
- » Lectures on MPI @ ETF 2006
Guest lecturer on Operating systems class on Electrotechnical school, University of Belgrade, talked about Message Passing Interface in context of parallel programming (linked PDF is in Serbian).
- » Lectures on Linux kernel internals @ ETF 2005 — 2006
Guest lecturer on Operating systems class on Electrotechnical school, University of Belgrade, talked about Linux kernel internals with a sample file system for demonstration (still have the code for that somewhere :)).
- » Serbian cyrillic support for LaTeX text processor 2002 —