Illia Manzhela

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Skills

Programming Languages: C/C++, JavaScript/TypeScript, Rust, C#, SQL

Main: NodeJS, ExpressJS, TailwindCSS, React, Svelte, Git, PostgreSQL, Docker, Linux, C POSIX

Secondary: MongoDB, Redis, C POSIX

In progress/interests: Rust, System Design, Machine Learning, Theory of Computation

Languages: English (C1), Polish (B1), Ukrainian (native), Russian (fluent)

Soft Skills: communication, teamwork, problem-solving, time management, eager to constantly learn

Work Experience

Software Engineer, Samsung R&D

Warsaw
October, 22 - Present
1 year 6 months

- **Memory Profiler**
  - A desktop application prototype with Tauri (Svelte and Rust)
  - Analyzing memory consumption on Tizen devices
  - Developed a library to parse and analyze the memory consumed by running processes on Linux systems
  - **Technologies**: Tauri: Svelte and Rust, Serde, SkeletonUI, Tailwind
- **Web-based Testing Tool for Open Source Video Players**
  - Implemented unit and integration tests for key components
  - Rewrote some codebase using Design Patterns for better readability and maintainability
  - Added missing type definitions for third-party libraries in TypeScript
  - Added full support for Google Chrome v47+
  - Developed a wrapper to provide a consistent API for a library with evolving APIs across versions
  - **Technologies**: React, NodeJS, Vite, React Testing Library, Sass

Education

B.Sc. Warsaw University of Technology   October, 18 - February, 24

- **Faculty:** Mathematics and Information Science

Side Projects

Publishing Platform   November, 23 - January, 24

- Developing a social blogging platform with RESTful API.
- **Technologies**: Svelte, JavaScript with NodeJS runtime, ExpressJS, MongoDB, Git and Docker.