

# Illia Manzhela

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Warsaw

in illiamanzhela

IlliaMan

## Skills

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

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

**Secondary:** AWS, MongoDB, Redis, C POSIX

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

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

## Work Experience

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**Software Engineer**, Samsung R&D

Warsaw

October, 22 - Present

2 years 3 months

- **Tizen Automation Desktop Application**

- A desktop application built with Tauri (Svelte and Rust) and Electron (Svelte and NodeJS)
- Enables seamless connection to multiple TVs
- Simplifies performing various actions on TVs with a few clicks
- Provides remote viewing for connected TVs
- Includes tools to analyze memory consumption on Tizen devices
- **Technologies:** Tauri (Svelte and Rust), Electron (Svelte and NodeJS)

- **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

- **Web Platform for Automated Testing**

- Uses web drivers to translate commands across different browsers
- Added support for Tizen (Linux-based distro)
- Implemented end-to-end tests
- **Technologies:** Svelte, NodeJS, TypeScript, Java, Selenium

## Education

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**B.Sc. Warsaw University of Technology**

October, 18 - February, 24

- **Faculty:** Mathematics and Information Science

## Side Projects

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**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.