



TIGRAN MKRTCHYAN

Full-Stack Developer

ABOUT ME

My name is Tigran. I have been programming for two years — I started with frontend, and for the past year I have been developing as a Full-Stack Developer. I continuously deepen my knowledge through a comprehensive course under the guidance of a Software Engineer with over 13 years of experience, where I learn best practices in detail.

Six months ago I built a full-stack system from scratch for a manufacturing company — production and warehouse management with a bill of materials (BOM) editor. I went through the entire development lifecycle myself: analysing the requirements and the business logic, designing the database schema and architecture, implementing it with the help of AI tools, and deploying it on Windows Server. The system is in daily use, and I keep extending it with new functionality (details in the "Projects" section).

SKILLS

Frontend:

JavaScript, TypeScript (OOP, SOLID, Generics, Decorators), React (v18/v19, Context, Suspense, Lazy), Next.js, Redux Toolkit, Vite, Tailwind CSS, Bootstrap, HeroUI

Backend:

Node.js, Express.js, REST API

Databases:

Microsoft SQL Server, Azure SQL

Tools:

Git, GitHub, VS Code, Claude Code, Cursor, Codex, Gemini

Deployment:

Windows Server, IIS, Render, Vercel, Microsoft Azure

PROJECTS

[Production Management System](#) | [Case study](#)

A full-stack application designed and built independently for a real manufacturing company.

- Designing database schema, application architecture, and selecting the technology stack
- Role-based authentication (JWT) with 5 access levels
- Warehouse management with goods receipt and issue documents
- BOM (Bill of Materials) editor for product recipes
- Production order management with automatic inventory updates
- PDF document generation (Playwright)
- Archiving system for generated documents
- Admin panel with full CRUD operations, filtering, searching, and Excel export

Tech Stack:

React, TypeScript, Redux Toolkit, Tailwind CSS, Node.js, Express, MS SQL Server

Deployment:

Windows Server (IIS, URL Rewrite, SQL Server)

Source code:

Available on request (commercial project)

CONTACT INFORMATION

Email:

tigran.m.1@outlook.com

Phone:

+48 576 474 411

Date of Birth:

February 15, 2000

Location:

Łódź, Poland

LANGUAGES

Polish – Advanced

English – Intermediate

Russian – Advanced

Armenian – Native

PROFILES

tigran-m.com

[GitHub](#)

[LinkedIn](#)

INTERESTS

Books, Computer Science,
New Technologies, Music,
Cinema, History, Traveling,
Football

[Marvel Characters App](#) | [Live demo](#) | [Source code](#)

A web application for browsing Marvel characters and comics using the Marvel API.

- Integration with an external REST API (Marvel API) — fetching character and comic data
- Custom hooks for API requests with loading, error and empty states
- Random character of the day with a details preview and links to the Homepage and Wiki
- Character list with dynamic loading and active item highlighting
- Route-level code splitting (React.lazy + Suspense) and error boundaries

Tech Stack:

JavaScript (ES6+), React 18 (Hooks, custom hooks), React Router v6, Bootstrap 5, SCSS (BEM)

[Books Library](#) | [Live demo](#) | [Source code](#)

A web application for managing a book collection.

- Integration with an external API to fetch random books
- Centralized application state management (Redux Toolkit)
- Filtering and searching with real-time result highlighting

Tech Stack:

JavaScript, React, Vite, Redux Toolkit, Tailwind CSS

COURSES

[Full-Stack Development Course](#)

Samvel Hayrapetyan [Sami] — Software Engineer

05.2025 – Present

- Comprehensive Full-Stack Development program from basics to an advanced level

[Front-End Development Course](#)

Samvel Hayrapetyan [Sami] — Software Engineer

2024 – 2025

- React, Redux, Next.js

WORK EXPERIENCE

[IT Department Employee](#)

Manufacturing Company | Łódź, Poland | 2025 – Present

Developing and maintaining an internal manufacturing management system (Full-Stack Application). Project details can be found in the "Projects" section.

[Graphic Designer & Print Operator](#)

DrukowaneTasiemki | Łódź, Poland | 2023 – 2025

Preparing designs for ribbons, clothing labels, tapes, and other print materials, printing finalized designs on wide-format paper using plotters, and processing the materials through production machinery.