

# Matthew Tsiplakov

Full Stack Developer

## About Me

Motivated **full-stack** developer with about a year of experience developing applications using a variety of frameworks and programming languages including **C#** and **JavaScript**. A self-learner committed to staying updated with emerging technologies. Seeking opportunities to contribute my knowledge and continue honing my skills.

## Software Experience (2023)

### SupChat

*Chat website-collaborative project*

In this project, I worked closely with a team of two other developers to build a comprehensive **real-time chat application**. Our approach to **teamwork** was founded on clear communication, shared responsibilities, and **mutual learning**.

- Designed a chat website with a **client-server** architecture.
- Front-end: **React**, **Redux**, **Material UI**, **Responsive design**.
- Back-end: **RESTful API** server with **Node.js** & **Typescript**, **Express**, **MongoDB**, **Mongoose**.
- Security: **bcrypt**, **JWT**.
- Version control: **Git**, **GitHub**.
- The Communication is done through **http requests** and **Socket.io**.
- Features: **image messages**, **chat with non-friend user**, **private chats** and **group chats**.

### Streaming System (Like Netflix) - Live Website

*Streaming Website*

In this project, I replicated the Netflix website, creating a fully-functional streaming platform with features mirroring the original site while adding my unique touch.

- Designed a Netflix like streaming website with a **client-server** architecture.
- Front-end: **React**, **Redux**, utilizing **SCSS** for component styling, **Responsive design**.
- Back-end: **RESTful API** server with **Node.js** & **Typescript**, **Express**, **MongoDB**, **Mongoose**.
- Security: **bcrypt**, **JWT**.
- Version control: **Git**, **GitHub**.
- Features: **continue-to-watch list**, **favorites list**, **search-as-you-type**.
- Deployed the website using the **Vercel** platform.

### PrintCrypt

*Password Manager*

- Designed a secure Password managing application using **WPF**, **C#** and **Git version control**.
- Implemented a **custom logic** based on **mouse cursor movement** to generate high-quality random numbers for **enhanced security**.
- Integrated **QR code** generation functionality for convenient and **secure key storage**.
- Developed a **user-friendly** interface for **key generation**, **management**, and **password hashing** operations.

## Education

Jun 2022 – Apr 2023    **Sela Technical College, TechIDF (לוחמים להייטק)**

*Certificate in Full Stack Software Development*

Jun 2023 – Oct 2023    **Sela Excellence Track: "Diamond"**

*On job extended training*

Sep 2016 – Jul 2019    **Ort Ironi D High School**

*Computer Engineering Major*

## Details

 **Address**


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## Skills

- React**
- Angular**
- .NET Framework**
- Node.js**
- JavaScript**, **HTML**, **CSS**
- TypeScript**
- C#**
- Python**
- MSSQL**
- MongoDB**
- Azure**
- Docker**
- REST API**
- Git**

## Military Service

Jul 2019 - Jan 2023

### Pilot Course + Armored Corps

*Tank Commander*

- Participated in the **IDF Pilot Course** (6 months) and piloted 10 training flights.
- Served as a **Tank Commander** in the Armored Corps (30 months).

## Languages

- Hebrew** (native)
- English** (fluent)
- Russian** (fluent)