

# 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

### 123 Completed LTD

*Software Developer*

AI oriented cross platform project, Client and Backend development.

- Front-end: **React**, **Redux**, **TypeScript**.
- Back-end: **Python**, **MongoDB**, **Docker**, **Redis**, **Kafka**, **AWS**.

### 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**.

### PrintCrypt

*Data Encryption App*

- Developed a **secure** and **cross-platform** data encryption application using **.NET MAUI**, **C#**, and **Git version control**.
- Implemented a **custom cryptographic algorithm** leveraging **mouse cursor entropy** to generate high-quality random numbers for enhanced security.
- Integrated **custom encryption algorithm** for securing sensitive data, including **passwords**, **documents**, and **media files** such as photos and images.
- Added **QR code generation and scanning functionality** for seamless key storage and retrieval.
- Designed a **modern, responsive interface** for seamless **encryption**, **decryption**, and **secure data management**.

## Education

Nov 2024 – Present **Holon Institute of Technology (Student)**

*B.Sc. in Computer Science, GPA: 90.67*

May 2024 **MongoDB Course**

*Certificate in MongoDB*

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

*On job extended training*

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

*Certificate in Full Stack Software Development*

## Details

 **Address**


Modi'in, Israel

 **in** [LinkedIn](#)

 [GitHub](#)

 **Phone**

054-9183955

 **E-mail**

[mati.tsiplakov@gmail.com](mailto:mati.tsiplakov@gmail.com)

## Skills

### Programming Languages:

- **Python**
- **C++**
- **JavaScript**
- **C#**
- **TypeScript**
- **C**

### Web Dev & Frameworks:

- **React**
- **Angular**
- **Node.js**
- **.NET Framework**

### Backend & Databases:

- **REST API**
- **MongoDB**
- **MSSQL**
- **Redis**
- **Kafka**

### Cloud & DevOps:

- **AWS**
- **Docker**
- **Azure**
- **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)