

# IRAKLIS TSANACHTSIDIS

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## SKILLS

- Python | C++ | C | Javascript | Typescript | React | Node | Next | Express | NoSQL | SQL | Git
- Azure | OOP | MongoDB | Unit Testing | API | Jira | Unix/Linux | HTML | Tailwind CSS | shadcn
- Software Testing & Debugging | Frontend | Backend | Full-Stack | Software Design | Appwrite

## EXPERIENCE

### Vortex: A Full Stack Social Media Platform Development

03/2024

- Developed a user-friendly **social media platform** using **React.js, Appwrite, React Query, Tailwind CSS and TypeScript**.
- Implemented robust **authentication** ensuring **security and privacy**.
- Designed and built features including an **Home Page, Like, Follow and Save functionality, Detailed Post Page, Profile Page, and Browse Other Users**.
- Utilized **React Query, shadcn and Tailwind CSS** for quick data fetching and a smooth user experience.
- Integrated **Appwrite** as a **Backend as a Service solution** for streamlined backend development.
- **Enhanced mobile app feel** with a responsive UI and a bottom bar for seamless navigation.

### Spotify Playlist to YouTube Downloader

02/2024

- A Python application to download songs from the chosen Spotify playlist as MP3 files from YouTube using **Flask, Spotipy, pypeteer, Pandas** and **youtube\_dl** (for demonstration purposes)
- Integrated Spotify OAuth for **user authentication** and access to **Spotify API**. Implemented functionality to retrieve and process songs from a Spotify playlist.
- Utilized **web scraping** to extract YouTube video IDs for each song and download MP3 files
- Enabled user to download songs from Spotify playlists.
- Demonstrated proficiency in **web scraping, API integration, and asynchronous programming**.

### Production Line Simulation System

10/2023 - 12/2023

- Developed a **C++ simulation system for managing a production line** in a manufacturing environment.
- Utilized **object-oriented programming principles** to create a **modular, scalable** and extensible system.
- Implemented **features** such as filling customer orders, tracking inventory, and managing the flow of items through the production line.
- **Designed and implemented** classes for Stations, Workstations, Customer Orders, and Line Manager to model different aspects of the production line.
- **Improved efficiency and accuracy** in managing production processes, leading to a more streamlined workflow.
- Demonstrated proficiency in C++ programming, **problem-solving**, and software design principles.

### Blog Management

10/2023 - 12/2023

- Spearheaded the development of a **full stack dynamic blog management system** using **Node.js** and **Express**, ensuring **high performance** and **scalability**.
- Employed **Sequelize ORM** to manage the **PostgreSQL database**, optimizing data retrieval and storage processes.
- Integrated Cloudinary **API** for efficient **image hosting and management**, enhancing the user experience with fast-loading images.
- Implemented **user authentication and session management using client-sessions**, ensuring **secure access** to the system.
- Designed and implemented a responsive front-end using Handlebars templating engine, providing a seamless user interface across devices..
- Demonstrated strong **problem-solving skills** and **attention to detail**, resolving issues promptly to meet project deadlines.
- Successfully delivered a robust blog management system, **contributing to improved content management** and user engagement.

## EDUCATION

### College Diploma in Computer Programming

01/2023 - 05/2024

Seneca Polytechnic Toronto, ON

2 Years | GPA: 3.8/4

## OTHERS

### Languages:

- English, Greek, Georgian

### Interests:

- Game Development, Content Creation, AI, Travelling, Fitness