

David Tchekachev

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EDUCATION

Computer Science Semester

TECHNION

2nd-year Engineering Student in Computer Science

EPITA

Haifa, Israel | 2022

Lyon, France | 2020 - 2025

WORK EXPERIENCE

AMBITION TÉLÉCOM & RÉSEAUX | SOFTWARE DEVELOPMENT INTERN

Saint-Priest, Lyon | Aug 2021

- Collaborated with the engineering team to design an automated tool to process orders faster and regroup all needed data in one place to follow GDPR directives.
- Programmed the main services in **Python** and saving the data in a **PostgreSQL** database. Packaged in **Docker** to facilitate deployments and version upgrades.
- Engineered a detection algorithm that reads emails and scrapes business data from **APIs** and using **Regexs** to grab raw data.
- Used **AWS S3 & SQS** to push/read notifications to automate different tools and send files between different servers.

AVENIR PLATFORM | FREELANCER

Self-Employed | Mar 2020 - Now

- Developed a complete Web-platform with separate services to run frontend, backend, workers and database.
- Frontend made in **ReactJS** which calls the **REST API** backend coded with **Symfony** in **PHP** connected to a **MariaDB** database stores all users' data.
- Packaged, deployed and orchestrated with **Docker Compose** to ease the development environment setup as well as updates on all client's servers.

PROGRAMMING MENTOR | CODER-DOJO

Paris | Mar 2015 - Now

- Introducing kids into programming by creating simple games, websites, robots.

PROJECTS

OPTICAL CHARACTER RECOGNITION SOFTWARE

C, SDL, GTK, ARTIFICIAL INTELLIGENCE

2nd-year university group project aimed to solve sudokus by loading raw pictures. Image is corrected and processed through multiple filters and then analyzed to detect the grid to be solved.

VIDEO GAME

C#, UNITY, CI/CD

1st-year university project project to discover team work with deadlines and technical presentations of the project's advancement.

AVENIR

PHP, TYPESCRIPT, REST API, DOCKER

Designed, developed & deployed a **web-based workflow** for high-school students, parents, teachers and staff (2200 users / school) to manage options and specialties that each student wants to pursue, replacing the current paper-based processing.

AUTONOMOUS CAR

KOTLIN, PYTHON, RASPBERRY PI, EMBEDDED PROGRAMMING

High school engineering project: Self-driving car equipped with sensors, managed by a RaspberryPi 4 and an Android Kotlin application to take manual control.

SYSTEM & NETWORK ENGINEERING

LINUX, BGP, TCP, DNS, HTTP, PROXMOX, DOCKER

Managing a dedicated server by deploying virtualization softwares such as Proxmox and Docker with webserver and mail server. Also played on fictitious network DN42 to learn the basics of networking and low-level telecommunications.

SKILLS

Languages: Python, C, C#, PHP, SQL, Javascript, Typescript, NodeJS, Java

Frameworks: React, Symfony, Laravel, Twig, Doctrine, Flask, Django

Technology: Git, AWS, Docker, Unity, Nginx, SQL DB, API, Regex