



Paul-Cătălin Ochiș

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Skills

JavaScript

Java

TypeScript

Next.js

React.js

Java Spring Boot

Vue.js

C#

Gatsby.js

Astro.js

Redux

TailwindCSS

SCSS

AWS

Bootstrap

PostgreSQL

MySQL

MongoDB

Python

Node.js

Node-Red

C++

C

Git

GitHub

GitHub Actions

Certifications

Java Course

Atelier Digital Google - Digital

Stack

Jun 2023

Certified Association Executive

(CAE)

Cambridge English

Jul 2018

ECDL Standard Profile

ECDL Romania

May 2018

The Ultimate React Course 2024:

React, Next.js, Redux & More

Udemy

Present

The Complete Vue.js Course

Udemy

Apr 2024

The Complete Web Development

Zero To Mastery

Jan 2024

Complete React Developer

Zero To Mastery

Present

Vue Masterclass(Covers Vue 2

and Vue 3)

Udemy

Present

Languages

English

Romanian

Profiles

[Ochiș Paul-Cătălin](#)

[Ochis27](#)

[Ochiș Paul Cătălin](#)

About Me

I am a dedicated professional with a strong commitment to continuous learning and self-improvement, fueled by my passion for exploring diverse subjects. My punctuality and discipline underscore my professional ethos. Thriving in the dynamic tech industry, I bring expansive knowledge across various technologies, equipping me to adapt swiftly and make substantial contributions to achieving organizational goals.

Experience

Vitesco Technologies

Mar 2023 - Present

IT Service Support and Development

Timișoara, Timiș

- I delivered specialized global support for Microsoft SharePoint Enterprise, addressing complex technical issues, managing system configurations, and ensuring seamless functionality for users across multiple regions worldwide.
- I have designed and implemented a custom extension for SharePoint using C#, enhancing its functionality to meet specific business requirements. Additionally, I contributed to the development of a comprehensive archiving solution, where I was responsible for coding key features and ensuring the system's stability and performance, also using C#.
- I have streamlined the deployment of new software deployment for users worldwide.
- I leverage Grafana and Prometheus to achieve peak efficiency in IT service monitoring, orchestrate strategic plans for advanced service monitoring systems, utilize Prometheus for comprehensive monitoring across multiple data sources, excel in Grafana for superior data visualization and analysis, implement Terraform for streamlined cloud infrastructure management, and create detailed documentation for monitoring software to enhance user experience.
- I developed a risk action list chatbot similar to ChatGPT. For the website's development, I utilized Figma to design the user interface and implemented the site using Vue.js with TypeScript, Vitest, and Pinia. The website was hosted on AWS. Additionally, I integrated Single Sign-On (SSO) authentication using Azure Active Directory groups. As part of the project, I also proposed and implemented a chat history feature, leveraging AWS Lambda, AWS DynamoDB, and AWS CloudWatch.

Continental

Jul 2022 - Feb 2023

Computer Operator Electronic and Networking

Timișoara, Timiș

- Spearheaded development and integration of automated data processing and display project.
- Proficient in diverse programming languages including HTML, CSS, JavaScript, NodeRed and MySQL.
- Experienced in utilising software applications like Grafana for data display and Prometheus for data monitoring.

Education

Universitatea de Vest din Timișoara

2024 - 2026

Artificial Intelligence and Distributed Computing

Masters Degree

I am currently pursuing a Master's Degree in Artificial Intelligence and Distributed Computing, where I am deepening my understanding of cutting-edge technologies that drive the future of intelligent systems and scalable computing solutions. This advanced program allows me to explore key areas such as machine learning, neural networks, and distributed algorithms, equipping me with the skills needed to design and implement complex AI-driven applications. Through rigorous coursework and hands-on projects, I am enhancing my ability to solve real-world problems using innovative AI techniques and distributed computing methods, preparing myself for a career at the forefront of technological advancements.

Universitatea Politehnica din Timișoara

2024 - 2026

IT Systems Applied in Production and Services

Master Degree

I am currently pursuing a Master's Degree in IT Systems Applied to Production and Services, where I am deepening my knowledge of how advanced information technologies can be integrated into production environments and service industries. My coursework focuses on the application of IT systems to optimize production processes, enhance service delivery, and improve overall operational efficiency. Through this program, I am gaining hands-on experience with cutting-edge tools and methodologies, preparing myself to address complex challenges in both industrial and service sectors. This specialized education is equipping me with the skills to design, implement, and manage IT systems that drive innovation and productivity in various professional settings.

Universitate Politehnica din Timișoara

2020 - 2024

System Engineering

Bachelor Degree

During my undergraduate studies, I gained broad experience in various programming languages. I demonstrated proficiency in both low-level languages, such as C and C++, and high-level languages, including C#, Java, Python, and JavaScript. My communication and programming abilities were strengthened through a combination of individual and team-based projects. Additionally, I accumulated experience in a wide range of software applications, notably designing a smartphone-controlled remote car.

Projects

StockShelf

<https://github.com/Ochis27/StockShelf>

StockShelf is a full-stack application that uses React for the frontend, Java Spring Boot for the backend, and MySQL as a database. The project integrates Stripe for payment processing and Okta for user authentication. Users can manage book catalogs, track loans, and handle fines efficiently. Administrators can add or update books, while users can search for and borrow books. The system calculates and processes late fees through Stripe. All user and book data, including transactions, are securely stored in the MySQL database.

Java, Java Spring Boot, React, TypeScript, OKTA, Stripe, Maven

Neuronal Network

<https://github.com/Ochis27/NeuralNetworkJava>

I build a neuronal network in Java which is used to detect text from images and it is trained on a MINST dataset

Java, JUnit, Algebra, Computer Vision

SmartBrains

SmartBrain is a fullstack application which uses React for the frontend, Node.js for the backend and PostgreasSQL as a database. The project has integrated a machine learning API, which is used to detect faces. Users can upload a photo and then press a button to detect how many photos were in that image, all of the data is then stored in a database.

Machine Learning, React.js, JavaScript, Node.js, PostgreSQL

Revents

<https://github.com/Ochis27/revents>

Filmpire

<https://glistening-profitrole-0c8d8a.netlify.app/>

Filmpire is a dynamic React-based application that leverages Redux for efficient state management, ensuring a seamless and responsive user experience. By integrating the TMDb API, Filmpire offers users access to a vast database of movies, providing up-to-date information on the latest releases, trending films, and timeless classics. The application allows users to easily search for specific titles, browse through various genres, and explore detailed movie information, including cast, ratings, and reviews. Additionally, users can create and manage personalized watchlists, saving their favorite movies for easy access later. The combination of modern web technologies and an intuitive interface makes Filmpire an engaging platform for movie enthusiasts to discover, organize, and enjoy their favorite films, all within a highly responsive and user-friendly environment.

React, Redux, TMDB API

Job-Search

This project involves creating a clone of the Google Careers website using Vue.js and TypeScript. It focuses on replicating the user interface and functionality, including job listings, search filters, and detailed job descriptions. Vue.js facilitates dynamic, responsive components, while TypeScript ensures type safety and robust code. This clone serves as a demonstration of front-end development skills, providing a realistic and interactive experience similar to the original Google Careers site.

Vue.js, Pinia, Typescript, Vitest

Learn New Facts

<https://learningnewfactsdaily.netlify.app/>

The project was built using HTML, CSS, JavaScript, and React. We used Supabase as the database, which offers an API for the backend and allows for easy data manipulation. Netlify was used to host the page. Users can interact with the database by giving reactions, filtering, and adding new curiosities with valid sources starting with HTTP or HTTPS.

Supabase, React, HTML, CSS

Turttlebot 3 Robot

In this project, we developed an autonomous robot that could navigate roads marked with black lane lines and obey traffic rules such as identifying STOP signs and making left turns. Using the Python programming language, Gazebo simulation environment and Linux OS, we simulated a route of our robot while using its inbuilt camera to detect traffic signs.

Python, Linux, Gazebo

Car Remote Control

Our project is for building a remote controlled car using Raspberry Pi that consists of GSM connectivity, noise sensor and servo motors. Our goal was to develop an adaptable and dynamic system that allows control from a distance using an Android app, as well as data visualization through Node-Red and Grafana.

Rasberry Pi, Node-Red, Grafana, Linux, Python

Four-Level Game in Python

I successfully created a Python game with four engaging levels that incorporate the time, random, and matplotlib libraries. Players will be challenged with tasks such as describing an image, identifying country capitals, recalling random numbers, and guessing missing letters in words.

Python

ReStore

ReStore is an online ski store with a C# backend and a React frontend using TypeScript. It leverages PostgreSQL for the database and is hosted on Heroku. Users can filter products by various categories, view detailed product information, and make purchases directly through the app using Stripe's API. This setup ensures a seamless and efficient shopping experience, combining robust server-side logic with a dynamic and responsive user interface.

C#, Stripe, ASPE .Net, React, TypeScript, PostgreSQL, Heroku

rmtDev

<https://rmtdev27.netlify.app/>

rmtDev is a web application designed to help users find remote jobs and access detailed job information. Built using HTML, CSS, and JavaScript, the platform provides a seamless user experience for job seekers. Users can save their favorite job listings directly to their browser's localStorage, allowing for easy access and management of potential opportunities. Additionally, the application offers a unique feature where users can share job listings through a custom-generated link, making it simple to forward interesting opportunities to others. The intuitive design and practical features make rmtDev an essential tool for anyone searching for remote work.

HTML, CSS, JavaScript

Particle Explosion

<https://github.com/Ochis27/Particle-Explosion>

This project focuses on simulating visually appealing particle explosions with periodic color-changing effects using C++ programming language along with the SDL (Simple DirectMedia Layer) extension.

SDL, C++

TechPeople

TechPeople is a blog application on the web made with Astro.js. Astro.js is a server side rendering javascript library used to create very fast web application.

TypeScript, JavaScript, Astro.js