Paul-Cosmin Petrila

Fullstack Developer

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I'm just a guy who's looking to craft really ==*awesome*== software and to have fun while doing it.

Skills

I already know

| HTML 4/5 | CSS 4/5 | React.js 3/5 | TypeScript 4/5 | Node.js 4/5 | NestJS 4/5 |

| Docker 3/5 | PostgreSQL 2/5 | MongoDB 3/5 | Firebase 1/5 | Laravel 3/5 |

I want to learn

Rust   React.js   .NET

I speak

Romanian native   English C1

Work experience

Junior back-end developer   August 2022 - now
Adservio Social Innovation

- In the beginning I was changing and editing functions and modules inside the PHP monolith.
- After that I developed microservices around the monolith using Fastify and Prisma ORM. We tested them using unit tests written in Jest.
- Later we started using NestJS and Mikroorm to develop our microservices.
- Recently I started being more involved in API and E2E testing using Cypress and CI/CD tools like GitlabCI and writing bash scripts.

Technologies: TypeScript, React.js, Fastify, NestJS, Cypress, Jest, GitLab CI, Docker, MySQL, PostgreSQL, MongoDB

Dotnet summer camp intern 2022   July 2022 - September 2022
Pentalog

- Final project - Build an API to manage a restaurant with JWT authentication using the .NET framework
- I've used Blazor components and ASP.NET to generate dynamic web pages
- There was a lot of emphasis put into writing clean code. I learnt a lot about software philosophies like KISS, DRY, SOLID, CQS and other designing ACID complaint DBs

Technologies: .NET, C#, Blazor, NuGet

Summer camp intern
AMD

June 2022 - July 2022

I learnt the basics of Verilog programming, which is a method to programatically wire together logic gates.

Technologies: Verilog

Projects

Mentor @ Health Innovation Zone

March 2020 - now

I entered the Health Innovation Zone program as a challenge to myself. I mentor 4 awesome teams in their journey to better the health industry.

Technologies: Next.js, SASS, pnpm, ESLint, Prettier

FiiPractic

March 2023 - April 2023

I participated at 3 workshops: "Cloud Development by Levi9", "DevOps by Yonder", "PHP by CloudLab" which taught me a great deal about deploying to the cloud, local infrastructure, CI/CD and developing webapps with Laravel.

Technologies: Laravel, AWS, Docker, Jenkins, Spring Boot, Python, Keras, Flask, PostgreSQL, Docker

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Pocket Cats

January 2023 - June 2023

An open-source web app that identifies cats, made as a project for one of our classes. The app is built using NextJS, Java, Python and PostgreSQL. The people that I worked with had no real knowledge about web development, I taught them everything I know. *Seeing them grow was such a joy*.

Technologies: Next.js, React.js, Java, Spring Boot, Python, Keras, Flask, PostgreSQL, Docker

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The Odin Project

March 2020 - June 2021

Thanks to this Free and Open Source project, I was able to learn a lot about software development. I made a lot of small websites to learn concepts such as React and how to integrate it with APIs and write your own with Nodejs and Express. It introduced a lot of tooling that I now use every day.

Technologies: React.js, Node.js, Express, Passport.js, HTML, CSS, JavaScript, Jest

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Scoala Pentru Valori Autentice
January 2018 - January 2018

During High School I was part of many initiatives, one of them was a project called "Scoala Pentru Valori Autentice" for ISJ. It was the first fullstack app I helped develop. I was mainly tasked with writing the frontend in Bootstrap, but I got to learn how Laravel 5 works and learnt a lot about the whole process.

Technologies: Laravel, CSS, HTML, JavaScript, Bootstrap

Education

Information Technology
October 2020 - July 2024

Gheorghe Asachi Technical University of Iasi

Bachelor of Science, Computer Science and Automatic Control.

Information Technology
September 2016 - July 2020

Grigore Moisil Technical High School

High School Diploma.