Elisei PROFIR

Date of birth: 1996

Nationality: Romanian

CONTACT

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APPLYING FOR

Python Developer ● **Backend Developer** ● **Software Developer**

ABOUT ME

Why I switched from marketing to programming?

I've always had a structured, mathematical way of thinking and a passion for building, automating, and optimizing things make life easier. Around three years ago, while working in digital marketing, I stumbled upon programming—and it instantly clicked. I realized that software development would allow me to use my natural strengths to design and build digital "machines"—systems and tools that bring real value to people's lives. That's when I decided to dive into learning programming and developing the skills needed to transition into tech.

SKILLS ACQUIRED

Python Basics

- Syntax & Control Flow (variables, data types, operators, loops, conditionals)
- Functions & Functional Programming (functions, lambdas, recursion)
- Object-Oriented Programming (OOP)
- Testing, Error Handling & Debugging
- Data Structures & Algorithms
- Libraries, File I/O & Regular Expressions

Advanced Backend Python (building the project below)

- Backend Development & APIs: Django, Django REST Framework (DRF), REST API Design, JWT Authentication, Asynchronous Task Management (Django Q), API Testing
- Data Storage & Caching: PostgreSQL (Neon), Redis (Upstash), Cache Invalidation & Optimization
- Frontend & Data Visualization: Streamlit, Pandas
- Version Control, Deployment & Infrastructure: Git & GitHub, Docker & Docker Compose, GNU Make, Railway, Environment-Specific Configuration Management
- Testing: Pytest & Unit Testing, Model Bakery (test fixtures)

PROJECT

10/2025

Budget Management System Application

A comprehensive full-stack application for managing personal and family finances. The application uses Django and Django REST Framework for the backend, Streamlit for a fast, interactive frontend, and is fully containerized with Docker. It features JWT authentication, asynchronous task processing with Django Q, real-time balance analytics, and is deployed in production using Railway, Neon (PostgreSQL), and Upstash (Redis).

Main features:
- Multi-location Tracking: Record transactions across multiple locations
- Bucket System: Organize your money into different financial purposes
- Income Splitting: Automatically distribute income across multiple financial buckets
- Custom Categories: Organize with customizable transaction categories
- Inter-wallet Transfers: Move funds between different locations and buckets with neutral transactions
- Comprehensive Analytics & Visual Insights: Make informed decisions with data visualizations and monthly, yearly, historical reports

App links:
- Backend / Django REST Framework: https://api.elisei.pro
- Frontend / Streamlit App: https://app.elisei.pro
- GitHub Repository & Documentation: https://github.com/eliseiprofir/budget

EDUCATION AND TRAINING

09/2023 – 01/2024 Online, United States

CS50x: Introduction to Computer Science Harvard University

This is CS50x, Harvard University's comprehensive introduction to computer science and programming, led by David J. Malan. Topics & skills:

- A broad and robust understanding of computer science and programming
- How to think algorithmically and solve programming problems efficiently
- Concepts like abstraction, algorithms, data structures, encapsulation, resource management, security, software engineering, and web development
- Familiarity with a number of languages, including C, Python, SQL, and JavaScript plus CSS and HTML

Duration: 11 weeks long – 10-20 hours per week

Website https://pll.harvard.edu/course/cs50-introduction-computer-science ∣ **Field of study** Computer Science, Programming ∣ **Final grade** 10

Link https://certificates.cs50.io/e9c0eebe-03cb-45cd-909c-69323cbdc705.pdf?size=A4

07/2023 – 09/2023 Online, United States

CS50's Introduction to Programming with Python Harvard University

This is CS50's Introduction to Programming with Python, by Harvard University, led by David J. Malan. Topics & skills:
- how to read and write code;
- functions, arguments, and return values;
- variables and data types;
- conditionals, loops, exceptions, and Boolean expressions;
- object-oriented programming (OOP);
- regular expressions, file I/O, and libraries;
- testing and debugging.

Hands-on opportunities for lots of practice. Exercises inspired by real-world programming problems.

Duration: 9 weeks long – 3-9 hours a week.

Website https://www.harvardonline.harvard.edu/course/cs50s-introduction-programming-python ∣ **Field of study** Python Programming ∣ **Final grade** 10

Link https://certificates.cs50.io/63506548-db19-42b9-80de-3c045636d587.pdf?size=A4

05/2024 – 06/2024 Online, United States

CS50's Introduction to Databases with SQL Harvard University

This is CS50's introduction to databases using a language called SQL. This course helped me learn how to :
- create, read, update, and delete data with relational databases, which store data in rows and columns.
- model real-world entities and relationships among them using tables with appropriate types, triggers, and constraints.
- normalize data to eliminate redundancies and reduce potential for errors.
- join tables together using primary and foreign keys.
- automate searches with views and expedite searches with indexes.
- connect SQL with other languages like Python and Java.

Assignments inspired by real-world datasets.

Duration: 7 weeks – 6-12 hours per week

Website https://pll.harvard.edu/course/cs50s-introduction-databases-sql ∣ **Field of study** Computer Science ∣ **Final grade** 10

Link https://certificates.cs50.io/91539629-c258-4f6e-b4eb-a1c1b8120b1d.pdf?size=A4

03/2024 – 05/2024 Online

Scientific Computing with Python freeCodeCamp

This course helped me learn:
- String Manipulation by Building a Cipher
- How to Work with Numbers and Strings by Implementing the Luhn Algorithm
- Lambda Functions by Building an Expense Tracker
- Python List Comprehension by Building a Case Converter Program
- Regular Expressions by Building a Password Generator
- Algorithm Design by Building a Shortest Path Algorithm
- Recursion by Solving the Tower of Hanoi Puzzle
- Data Structures by Building the Merge Sort Algorithm
- Classes and Objects by Building a Sudoku Solver
- Tree Traversal by Building a Binary Search Tree

For the required projects to claim my certification, I built: an Arithmetic Formatter, a Time Calculator, a Budget App, a Polygon Area Calculator, and a Probability Calculator

Website https://www.freecodecamp.org/learn/scientific-computing-with-python/ ∣ **Field of study** Python Programming

Link https://www.freecodecamp.org/certification/proelisei/scientific-computing-with-python-v7

02/2024 – 04/2024 Online / Udemy

Clean Code Academind

This course taught me how to write clean code - easy to read and understand by humans, not just computers:
- Code clarity & structure: clean naming (variables, properties, classes, functions, etc.), good commenting principles, code formatting (both horizontal and vertical)

- Function design: single-responsibility, minimal parameters, avoiding side effects using DRY code (Don't Repeat Yourself) and splitting functions to keep them small
- Control flow simplification: reducing nesting with guard clauses, extracting logic into functions, using error handling instead of conditionals
- Object-oriented design: cohesion in small classes, understanding data containers vs objects with behavior, applying the Law of Demeter
- Clean architecture principles: SOLID principles and their role in maintainable, modular, testable code

Website https://www.udemy.com/course/writing-clean-code | **Field of study** Programming

Link ude.my/UC-6162c1c2-ec76-4224-a9fc-2145533e0a83

01/10/2016 – 07/07/2019 Iași, Romania

Batchelor in Economics and Business Administration Universitatea „Alexandru Ioan Cuza"

Website https://www.feaa.uaic.ro/ | **Field of study** Management | **Level in EQF** EQF level 6

WORK EXPERIENCE

SELLification – Educație și Formare Experiențială Timișoara / Online, Romania

Business or Sector Other service activities | **Department** Educație și Formare Experiențială | **Email** contact@sellification.org |
Website www.sellification.org

Marketing Manager (Full-time)

02/2020 – 02/2024
I started as a Junior Marketer, then rapidly progressed to Specialist Marketer and Marketing Manager.

The responsibilities and activities I performed were:
- Creating marketing content (copywriting) such as emails and posts for our distinct communities (teachers, trainers, salespeople) and clients.
- Planning, scheduling, and publishing content on social media platforms (Facebook, Instagram, LinkedIn, YouTube) and to our email database (Active Campaign).
- Creating Facebook Ads and Email Marketing campaigns that resulted in substantial sales growth.
- Project Manager on certain team projects – creating project procedures and processes, setting tasks, delegating to the right people, performing marketing tasks, setting deadlines, and ensuring tasks are completed on time.
- Managing and optimizing social media channels – Facebook, Instagram, LinkedIn, and YouTube.
- Managing and optimizing the email database in Active Campaign – lists, forms, tags, automation, processes, and integration with the WordPress website.
- Managing the online shop – physical products, virtual products (courses), customers, authors, coupons, banners, cross-sales, up-sales, technical support – and integrating with Facebook (Meta) for conversion and sales capture.
- Managing and optimizing website pages in WordPress, Divi theme – creating landing pages (for products, webinars, courses, books), integrating with Active Campaign for lead collection, integrating with Facebook (Meta) for conversion capture.

Here are some numerical results:
- Over 100 Facebook Ads campaigns, over 750 Emails sent and tens of thousands of euros in sales.
- I contributed to forming the SELLification Educators Community of over 30,000 members (the first 20,000 gathered in less than 1 year) and the SELLification Trainers Community of over 2,000 members.
- I provided support for trainers and facilitators in the team in over 50 online Zoom events (courses, webinars, programs) with over 40,000 participants.

BIZZ.CLUB România Timișoara / Online, Romania

Business or Sector Other service activities | **Department** Business Networking | **Email** office@bizz.club | **Website** https://bizz.club/

Specialist Marketer (Part-time)

04/2020 – Current
- Managing and optimizing Social Media Accounts (Facebook, LinkedIn) and Audio/Video Accounts (YouTube, Spotify).
- Creating articles and posts with valuable content for the audience, derived from our weekly business networking meetings.
- Creating and editing podcast episodes (video editing for YouTube and audio editing for Spotify) with valuable content for the audience, derived from our weekly business networking meetings – cutting & trimming videos, adding transitions, sound finishing touches, etc.
- Creating marketing content (copywriting) for email marketing campaigns and social media posts
- Planning, scheduling, and publishing the above mentioned content online – on websites, emails, and posts on Facebook, LinkedIn, YouTube, and Spotify.

Beekeeper Galati, Romania

Freelancer

04/2013 – 07/2019
I started to manage a family business when I was 16 years old, during highschool, until I finished the university:
- Honey production (on average 750 kg / year),
- German queens (Buckfast) production (on average 150 items / year), and

● Average annual profit of 12.450 RON.

LANGUAGE SKILLS

MOTHER TONGUE(S): Romanian

Other language(s):

English

   Listening C1
Spoken production B2
   Reading C1
Spoken interaction B2
   Writing B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

OTHER SKILLS

Communication and interpersonal skills

During my collaboration with the SELLification team, I have acquired significant interpersonal skills:
● Proactive, direct communication with consideration, aiming for clarity and efficiency
● Active listening to better understand tasks and working methods
● Teamwork and support for team members whenever the opportunity arose

Technical skills

● Foto (Basic Design), Video and Audio editing: Adobe Premiere, Adobe Photoshop, Adobe Audition, Canva
● Collaborative work with documents: Microsoft Office (PowerPoint, Excel, Word) & Google Suite (Drive, Docs, Sheets, Slides), Notion
● Collaborative apps for task management and communication: ClickUp, Trello, Asana, Slack, Zoom, Google Meet

NETWORKS AND MEMBERSHIPS

03/2020 – CURRENT România

BIZZ.CLUB

Link https://bizz.club/

ME BEYOND CODE

Who am I?

I am a happy husband. :)
I build my life around my values and beliefs.
I like to play the piano, to read (preferably in nature), and to run.
I am happy when I bring well-being into the lives of those I meet.
I appreciate punctuality, order, and organizing things, and I pay attention to details (sometimes too much).
I seek to make my work easier through automations and optimizations.
I believe there is always room for kindness, friendliness, and respect.
I believe that every person is beautiful in their own way, with strengths and weaknesses.

Link https://www.facebook.com/eliseiprofir

Hobbies

● Music and playing the piano
● Technology and applications
● Organization, automation, optimization of things
● Sport & Running
● Reading
● Cars & Driving

Link https://youtu.be/0jZpEHIMWDQ

CS50 congratulates

Elisei PROFIR

on completion of CS50x, including ten problem sets and one final project.

Awarded from Cambridge, Massachusetts,
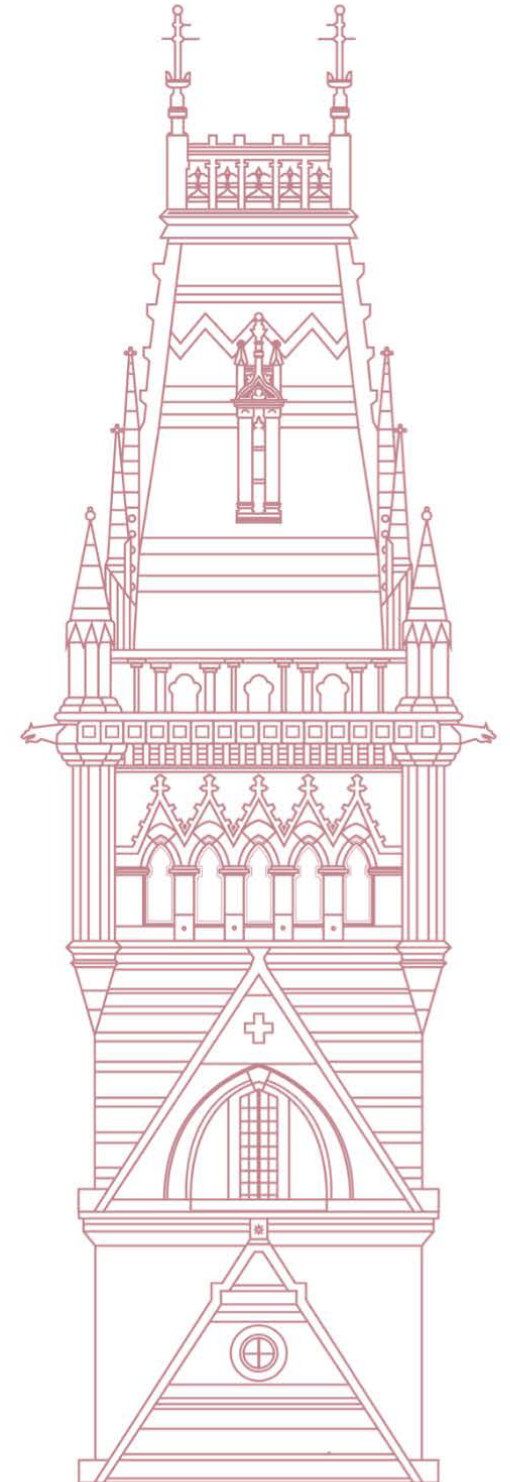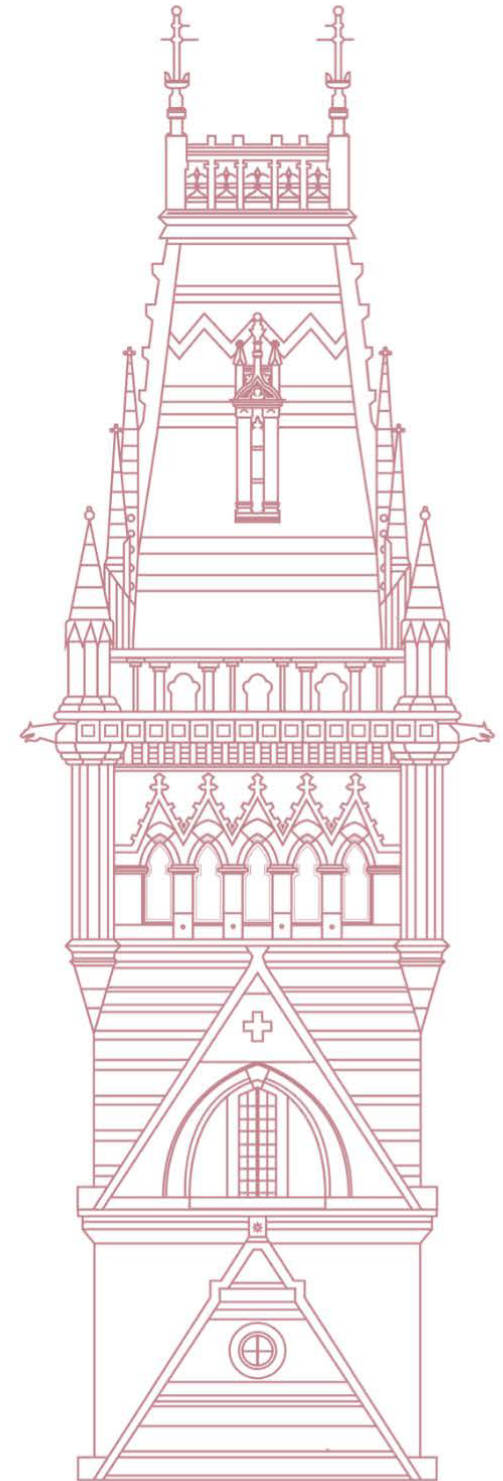in the year two thousand twenty-four.

David J. Malan
Gordon McKay Professor of the Practice of Computer Science
Harvard University

CS50 congratulates

Elisei PROFIR

on completion of CS50's Introduction to Programming with
Python, including nine problem sets and one final project.

Awarded from Cambridge, Massachusetts,
in the year two thousand twenty-three.

David J. Malan
Gordon McKay Professor of the Practice of Computer Science
Harvard University

https://cs50.harvard.edu/certificates/63506548-db19-42b9-80de-3c045636d587

CS50 congratulates

Elisei PROFIR

on completion of CS50's Introduction to Databases with SQL, including seven problem sets and one final project.

Awarded from Cambridge, Massachusetts,
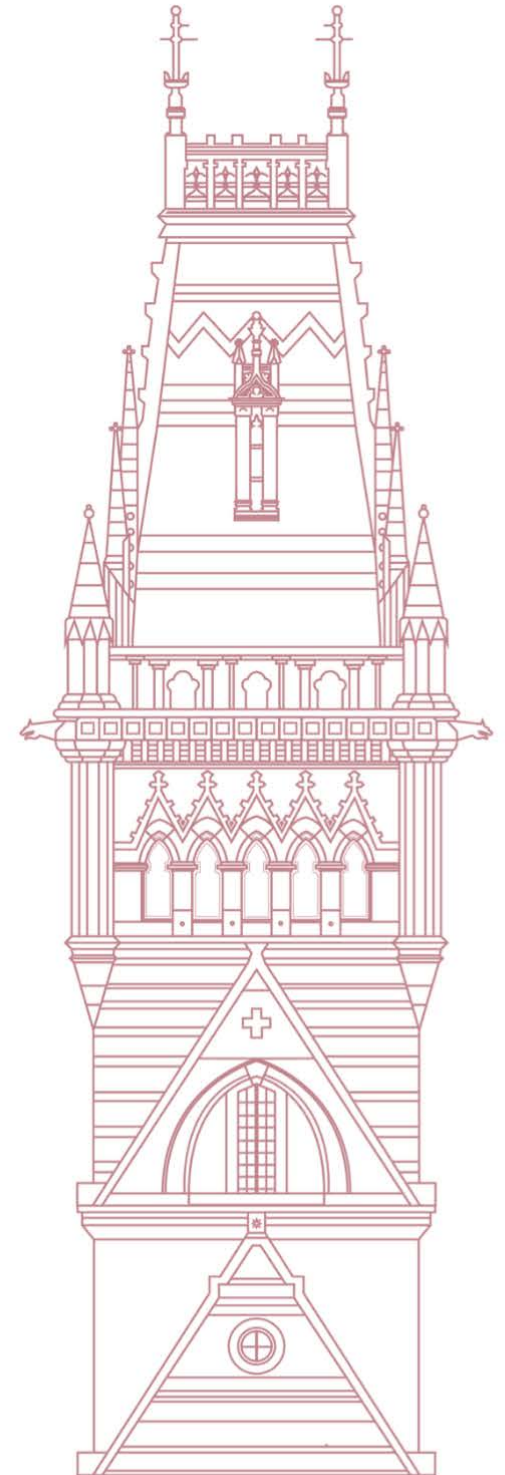in the year two thousand twenty-four.

David J. Malan
Gordon McKay Professor of the Practice of Computer Science
Harvard University

https://cs50.harvard.edu/certificates/91539629-c258-4f6e-b4eb-a1c1b8120b1d

freeCodeCamp(🔥)

This certifies that

Elisei PROFIR

successfully completed the

Scientific Computing with Python

Developer Certification on May 16, 2024

representing approximately 300 hours of work

Quincy Larson

Executive Director, freeCodeCamp.org

Verify this certification at:

https://freecodecamp.org/certification/proelisei/scientific-computing-with-python-v7

udemy

CERTIFICATE OF COMPLETION

Clean Code

Instructors **Academind by Maximilian Schwarzmüller, Maximilian Schwarzmüller**

Elisei PROFIR

Date **Feb. 27, 2024**

Length **6.5 total hours**