

Iacob Delcea

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SUMMARY

Junior Software Engineer with solid experience in Python, FastAPI (REST APIs), Redis, Oracle SQL, and PostgreSQL. Additional strengths include networking, Linux, and applied artificial intelligence. Currently pursuing a Master's degree in Artificial Intelligence at the University Politehnica of Bucharest.

SKILLS

Python, AI, FastAPI, REST APIs, Regex, Redis, Oracle SQL, PostgreSQL, Networking, Linux, Beautiful Soup, Github, JSON/XML Data Processing.

EDUCATION

University Politehnica of Bucharest (UNSTPB), Bachelor's Degree in Networks and Software for Telecommunications Science (ETTI) Oct 2021 – July 2025

- Final grade: 9.8/10
- **Coursework:** Algorithms and Data Structures, Operating Systems, Computer Networks, Artificial Intelligence.

EXPERIENCE

Software Developer, Albocensa – Bucharest June 2024 – Present

- Developed backend services using Python, FastAPI, Redis, and PostgreSQL
- Worked with networking protocols, Linux environments, and data encryption techniques
- Built secure end-to-end B2Bi integrations for business partners
- Gained experience with Axway's enterprise integration tools and platforms

Technical IT Support Volunteer, ANCOM - Bucharest Sept 2024 – Oct 2024

- Solving the technical issues encountered by the delegates

PROJECTS

AI-Powered Google Docs Parser

github.com/Iacob45/AI-Powered-Google-Docs-Parser

- Web application that extracts structured data from unstructured university timetables in Google Docs using AI and Regex-based logic.
- Tools Used: Python, Regex, GPT AI, FastAPI, Redis Stack, ReactJS, BeautifulSoup

XML, MDM, and XSD Parsing Tool (internal project @ Albocensa)

- Developed a custom tool for parsing XML, MDM and XSD files, extracting data to different formats.
- Tools Used: Python

WhatsApp Bot

github.com/Iacob45/WhatsApp-Bot

- A Python-based bot that monitors incoming WhatsApp messages and sends predefined responses automatically. Designed for fun.
- Tools Used: Python, Pyautogui, ImageGrab, ImageOps

AirPulse - Hackathon Project

github.com/Iacob45/AirPulse

- An Android mobile application designed to visualize air quality metrics. The app allows users to swipe through views showing pollution levels, temperature, and location-based data.
- Tools Used: Java, Android SDK, MPAndroidChart, XML layouts, Intents, Gesture Navigation