



Cazan Oana

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Gender: Female **Date of birth**: 26/02/1997 **Nationality**: Romanian

WORK EXPERIENCE

AllCloud

City: Bucharest | **Country**: Romania

[13/01/2025 – Current] **Data Engineer (EMEA)**

- Designed and deployed **Infrastructure as Code (IaC)** solutions for **Israeli and German clients**, ensuring compliance within critical and highly regulated environments.
- Collaborated with **Solutions Architects** on **proofs of concept (POCs)** for medical device integration with AI technologies.
- Contributed to cutting-edge projects, including **MCP development with Pydantic and ABC libraries, LiveKit enhancements**, and testing AI agents (e.g., **Strands, Bedrock Core**).
- Engineered and optimized **graph databases (Neo4j)**, and integrated **LLMs with Llama/ LangChain** to enable advanced data-driven applications.
- Partnered with **CTOs** on the development of **Snowflake-based products**, delivering solutions with significant business impact.
- Provided **technical guidance and mentorship** to junior developers, raising code quality and project delivery standards.
- Built **scalable software and data architectures** to increase company value and streamline execution.
- Delivered projects **on time** using best practices in **Git** and **AWS cloud services**.

University of "Aurel Vlaicu"

City: Arad | **Country**: Romania

[01/10/2024 – Current] **Teaching Assistant**

- Assisted in **Graph Algorithms**, integrating Python libraries (e.g., **NetworkX**) with real-world problem-solving.
- Conducted **laboratory sessions in Object-Oriented Programming (Java)** and **Fundamental Algorithms**, guiding students through practical implementations.
- Delivered sessions in **English and Romanian** across **4+ different classes**, working closely with students to support learning and problem-solving.

Groundfog

City: Berlin | **Country**: Germany

[17/05/2022 – 09/01/2025] **Software Engineer**

- Managed **Infrastructure as Code (IaC)** using Terraform to provision and maintain project requirements.
- Developed and maintained **Python/TypeScript Lambda functions**, including monitoring CI/CD pipelines in **GitLab** and writing unit tests (in-code, Postman, and Promptfoo).
- Designed and implemented solutions with **AWS services**: Lambda, Step Functions, SNS, CloudWatch, Glue, Athena, Personalize, Neptune Graph, S3, and more.
- Built **authorization flows** with **AWS Cognito** for both UI clients and machine-to-machine (M2M) communication as part of proof-of-concept (POC) initiatives.
- Led a greenfield project to **transfer AWS Marketplace data across accounts**, integrating with **Kinesis Firehose** to expand the company's Data Lake.
- Set up environments with **AWS Bedrock** to configure prompts for keyword generation and data processing.
- Implemented **OpenSearch scroll queries**, retrieving results into **S3** and integrating responses into **GraphQL AppSync APIs**.

Provably Fair

City: Cluj-Napoca | **Country**: Romania

[06/12/2021 – 17/05/2022] **Data analyst**

- Coordinate a team of 3 data analysts, implementation of a stable environment in order to process an incremental load for the data using Lambda Function from AWS, Event Bridge to monitor the errors and the memory capacity of resources that are used in that code.
- Writing scripts using python in order to manipulate data and transform it for a better view in excel files or Tableau dashboards.
- Using a merging approach to bring data from a postgresql db to the Redshift db via S3 Storage.
- Creating a staging and production environment for the team to work in a very structured and organized way. Using analytics tools such as pandas, numpy and scikit-learn to load the data, manipulate it, transform it and analyzing as well as sql to create procedures, tables and functions.
- Interaction with internal clients (from other teams in the company) to bring more projects, applying our ideas in one big project for the team which will bring more value to the company.
- Defining a way to improve our skills and grown continuously.

The Access Group

City: Timisoara | **Country:** Romania

[19/07/2020 – 06/12/2021] **Data analyst**

- Data analysts import, inspect, clean, transform, validate, model, or interpret collections of data with regard to the business goals of the company.
- They ensure that the data sources and repositories provide consistent and reliable data. Data analysts use different algorithms and IT tools as demanded by the situation and the current data.
- They might prepare reports in the form of visualisations such as graphs, charts, and dashboards.
- For all of these I used Microsoft SQL Management Studio using SQL, an internal app for charts, graphs, reports and so on based on ClicData, NRQL (new relic QL), APIs, GraphQL, Postman.
- Working in a team, with beautiful and smart people, we've brought more than 10 customers in one division with the products that I delivered and for that I won a prize which represents my work's value to the company, the "Rocky of the Year" in our division. My eager to learn can not stop here so I am looking forward for some more challenges.

ISS Timisoara - The Access Group

City: Timisoara | **Country:** Romania

[08/06/2019 – 19/07/2020] **Junior Full-Stack Developer**

- C# with asp.net core 3, entity framework
- HTML and CSS
- React with JSX
- SQL Server
- Gitlab (using git commands)
- Agile team
- working with a team from England and Romania
- SOAP
- XML
- Orleans
- Azure DevOps
- integration with different API
- unit tests with moq
- working on RNG algorithm

Blue Star Design

City: Arad | **Country:** Romania

[19/11/2018 – 01/07/2019] **Programmer**

- create scripts in python
- create games, school problems for a coding platform in python
- write tests case and functional tests in python
- on Linux
- working with docker

- using GitLab, which is a web-based Git-repository manager with line commands
- share any knowledge that i had with the others colleges and help them with their problems or whenever they were stumble on some php, javascript or python problems
- create a team in and outside work

JSS

City: Curtici | **Country:** Romania

[06/03/2018 – 20/06/2018] **Programmer**

- new skills, new features, new technique and new programming languages or for scripting : PHP, some JavaScript, JQuery and HTML 5 and CSS 3
- standard language for database : SQL
- databases: PostgreSQL, MSSQL
- C# (WPF), Java
- basic C++

Yazaki Component Technology SRL

City: Arad | **Country:** Romania

[28/03/2017 – 01/10/2017] **Test Technician**

- technical test engineer
- debug issues and correct them
- learning new programming languages and the first time working with the object oriented programming in VB.NET
- learning how to manage and use the principals of the Integrated Circuit Test
- working with parallel threads in programming
- working in automotive

EDUCATION AND TRAINING

[01/10/2024 – Current] **Master in Quantum Computing**

Politehnica University Timisoara

[01/10/2016 – 05/07/2019] **Engineer/Programmer**

University "Aurel Vlaicu" of Arad - Faculty of Exact Science

City: Arad | **Country:** Romania | **Field(s) of study:** Computing

Specialization- Computer Science

- programming skills
- working like a team based on Agile principles even it was University
- working on different environment like Android, Linux, Windows
- different algorithms for resolving problems in programming
- learn how to be a researcher
- advanced analysis
- finished with **10 based on the McEliece -MDPC cryptosystem for Quantum Computing** paperwork and having a Java application for this algorithm

[15/09/2011 – 01/07/2015] **Graduate with baccalaureate of the real profile "Mathematics and Intensive Informatics"**

National College "Elena Ghiba Birta" Arad

City: Arad | **Country:** Romania | **Field(s) of study:** Mathematics

General skills:

- languages: Romanian, English, French
- maths, computer science
- finished with 9.10

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING B2 **READING** B2 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

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

DRIVING LICENCE

Motorbikes: AM

Cars: B1

Cars: B

JOB-RELATED SKILLS

Job-related skills

- C# advanced skills
- Python intermediate skills
- API, EF - entity framework with asp.net core 3
- SQL Server advance skills
- Redshift - intermediate skills
- AWS - Lambda Functions, Event Bridge, VPC, S3
- Unit tests
- Data Science and Data Analysing skills
- Design patterns skills
- IT manager beginner skills

OTHER SKILLS

Other skills

- Certified Associate Python Programmer -> <https://www.credly.com/badges/43f3d2d1-14f4-49e3-a71c-f993bc02d807>
- https://www.youracclaim.com/badges/6876e714-123e-4d6c-8dad-e18300ef9e91/public_url
- opened in researching, thinking, listening and applying problems
- reading : passionate reader, about science, biology, mathematics and physics

Links: <https://www.credly.com/badges/43f3d2d1-14f4-49e3-a71c-f993bc02d807> | https://www.youracclaim.com/badges/6876e714-123e-4d6c-8dad-e18300ef9e91/public_url

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- coordinate a team of 3 people to prepare the data
- we work into an agile team, with sprints, trying to apply the process of double check with our client the final result of our work
- good abilities of communication, mentoring, leading a team
- trying to create a nice environment to grow, finding new projects that helps the internal company to increase their value
- sustaining presentation to offer the best understanding of our data - driven project
- the capacity of adaptation on different multicultural environments

ORGANISATIONAL SKILLS

Organisational skills

- abilities of leading, mentoring a team
- abilities of negotiation

- the compliance of deadlines terms
- the reaction speed in some critical situations
- attention to details
- interest in continue development
- taking my responsibilities and responding for my mistakes