



Cristi Domsa

Senior Software Engineer

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Cluj-Napoca, Romania

Nationality

Romanian

Profile

Senior Software Engineer with 15 years experience leading impactful software development projects across multiple industries. Skilled in Python, FastAPI, and microservices, with expertise in AWS deployment and data processing. Proven success in mentoring and coaching teams to enhance programming skills, while also contributing to business development and product design. Adept at strategic thinking and solution architecture, demonstrated in roles such as Tech Consultant and Software Development Manager. A strong background in software engineering, combined with a passion for teaching and psychology, sets me apart and drives my ability to deliver innovative, high-quality solutions.

Employment History

Senior Software Development Engineer at Thinslices, Cluj-Napoca

06/2022–07/2024

Client: **Viasat US**

Architecture, design and implement an automated Data Reconciliation System that remediates data drift from different sources on a PostgreSQL database of around 50 TB of data.

Other responsibilities:

- Automation of a full CI/CD cycle with github actions.
- Development of docker consumer containers on different streams of data.
- Configuration of AWS environment.

Tech stack: python, FastAPI, async, asyncpg, pyRQ, Redis, GraphQL, AWS, docker.

Administrator at Nektum Runa, Remote

05/2017–Present

HQ for **freelancing** work.

Software Development

- Python REST API's (fastAPI, flask).
- Data processing and reconciliation.
- Stream consuming.
- Deprecated systems migration.
- Consultancy in software development.
- Taught python classes for beginners.
- Coached teams for enhancing programming skills.

Skills

Python
FastAPI
Flask
PostgreSQL
Redis
GraphQL
MongoDB
SQLAlchemy
Linux
Git
Amazon Web Services
Docker
Kubernetes
Erlang
Application Programming Interfaces (APIs)
Microservices
Software Architecture
Continuous Integration
DevOps
Automation
Open Source Technology
Data Collection
Data Processing
Data Analysis
Mentoring
Consulting
Teaching
Strategic Thinking
Network Testing
Research and Development
Big Data
Machine Learning
Pharma Industry
Telecom Industry
Fintech

Senior Software Engineer at Luxoft, Cluj-Napoca

01/2021–02/2022

Client: **Deutsche Telekom**

Part of a R&D team for implementing the first 5G in-the-cloud network.

Deployed and configured on-premises automated network systems.
Devops experience.

Client: **Viavi**

Developed python modules for Viavi's network testing product.

Client: **ING**

Part of the team responsible of re-implementing the ING internal transfers routing system.

Responsibilities:

- Developer - Implemented a mountebank (impostor type) testing framework.
- Devops - Implemented and improved security on code deploy pipelines.

Tech stack: *kubernetes, helm, open shift, azdo, python Microservices.*

Python Teacher at IT School, Cluj-Napoca

07/2021–12/2021

Taught python courses for beginners.

Software Development Manager at Cresmart Advisor SRL, Cluj-Napoca

02/2020–06/2020

I was responsible of transition from an external team to internal contractors. The product was a gaming betting application developed in django and mobile.

Responsibilities:

- Evaluation of current code base
- Implement key features
- Recruit new team members
- Assure a transition and understanding of the code base
- Coach new team members
- Architecture decisions based on product road map

Software Engineer at Take Off Labs, Cluj-Napoca

02/2019–09/2019

Part of the integrations team, API's and data syncs with third party software and golf federations.

Tech stack: *ruby on rails*

Languages

Romanian	C2
English	C1
French	A2
Spanish	A1
Greek	A1

Hobbies

Snowboarding, Hiking, Music, Gaming.

Data Science Developer Lead at Inflection Point Europe, Cluj-Napoca

10/2018–01/2019

Developed a machine learning algorithm for predicting energy prices.

Responsibilities:

- Data processing master
- API developer
- Machine Learning Consultant.

Tech stack: python, pandas, data processing, data curing and normalization, data gathering, web crawling.

Machine Learning Specialist at Nenos Software, Cluj-Napoca

07/2018–09/2018

Experience with Tensorflow, completed training on basic Machine learning, neural networks typologies (CNN, RNN, ResNet).

Software Development Manager at Atracore, Cluj-Napoca

10/2014–02/2017

CTO of a small company with clients from Big Pharma industry.

Responsible for the whole process of software development from client requirements to product delivery.

Results:

- The software development team grew from 2 to 7.
- The company went from a project based approach to an internal developed framework.

Responsibilities:

- Create software architectures for in-house products.
- Brainstorm technical decisions based on client requirements.
- Coaching team members and adding new team members.
- Assure quality and deadlines are met.
- Discuss/put in place company strategy

Python Developer at Sourcefabric o.p.s, Cluj-Napoca

07/2013–01/2014

I was part of the core team that developed an open source framework (<https://www.superdesk.org/>) used by independent media journalists.

Tech stack: python, flask, sqlalchemy, graph db.

Erlang Developer at SoftVision, Cluj-Napoca

08/2012–03/2013

I was part of the team that developed a trading platform for big investment banks.

Tech stack: erlang

Software Developer & Team Leader at Dolphin Kiss, Cluj-Napoca

01/2011–05/2012

Team leader of the content team that was developing data parsing mechanisms and data analysis on media gateways logs for Nokia Siemens Networks.

Responsibilities:

- Write data parsers/analysers.
- Improve parsing mechanism for big data (+200 GB of files per analysis).
- Data manipulations for statistical and prediction module

Tech stack: python, flask, sqlalchemy, R, celery, rabbitMQ

Education

Computer Science, Universitatea 1 Decembrie 1918 Alba Iulia, Alba Iulia

10/2009–07/2011

Telecommunications, Polytechnics University Timisoara, Timisoara

10/2004–07/2009