



Alexandru Nae

Software Developer

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As an ambitious and hard-working individual, I am often recognized for my commitment and ability to take responsibility for the project I am working on. I handle multiple tasks on a daily basis competently, working well under the pressure.

SKILLS

Python Pandas OOP REST API Powershell AWS stack NoSQL SQL Flask MongoDB
ElasticSearch Snowflake PostgreSQL C/C++ AWS Athena AWS S3 Java Jython HTML
CSS Agile Git Confluence Jira Typescript Pentaho Spoon

WORK EXPERIENCE

Senior Data Developer

London Stock Exchange Group

11/2022 - Present

Bucharest

LSEG is a leading global financial markets infrastructure and data provider.

Achievements/Tasks

- Design the overall technical solution
- In charge of creating and maintaining ETL pipelines
- Write application code and develops unit test cases
- Perform performance tuning on SQL and non-SQL databases
- Developing and maintaining a company's database by designing, creating, and modifying tables, fields, and relationships between tables
- Supporting all phases of the software development lifecycle, including design, implementation, testing, and documentation

Software Developer

Sustainalytics

09/2021 - 11/2022

Bucharest

Sustainalytics rates the sustainability of listed companies based on their environmental, social and corporate governance performance.

Achievements/Tasks

- In charge of evaluating, identifying and developing software solutions
- Currently leading software development projects
- Design database tables and schemas for our data engineering solutions
- Create testing checkpoints for big data using Great Expectation library
- Use AWS stack to create access to our data
- Design and implement pipelines for CI/CD
- Design and implement models for MLOps

WORK EXPERIENCE

QA Automation Engineer

Luxoft

05/2021 - 08/2021

Bucharest

Luxoft offers the full spectrum of enterprise technology services, from modernizing legacy IT systems to delivering digital transformation at scale.

- Achievements/Tasks*
 - Using in-house framework and contributing to it in order to run quality tests for REST API web services
 - Meeting with the software design team to discuss verification protocols
 - Identifying software application weaknesses and target areas
 - Writing automation scripts and implementing software applications
 - Troubleshooting automation software and finalizing system procedures
 - Identifying quality issues and creating test reports

Software Developer

Quasar Labs

01/2019 - 05/2021

Bucharest

Quasar is mainly involved in the Telecommunication Industry, with many other areas of expertise, including the Healthcare sector.

- Projects*
 - Built parsing software for invoices (PDF to JSON) with Python (1.5 years) + set up the infrastructure for the entire flow, for medical industry client
 - Built API workflow in TypeScript for the Telecommunication Industry
 - Strong knowledge in PowerShell shell scripting (4 months)
 - Implemented WSO2 API Management platform (3 months) - For medical industry client
 - Used ELK stack to build a search engine for the content inside documents (2 months) - For Medical industry client
 - Automating tasks using Sikuli - Python (5 months) - For medical industry client

EDUCATION

Master's Degree in Computer Science - Internet Systems Engineering

The Faculty of Automatic Control and Computer Science - Politehnica University of Bucharest

09/2021 - Present

Bachelor of Economics

Bucharest University of Economic Studies

09/2017 - 06/2020

PERSONAL PROJECTS

apicrypto.com (02/2021 - Present)

- Developed with: Spring, MongoDB, JavaScript, Thymeleaf, Apache, other 3rd party APIs
- Data is fetched using Python scripts and stored in MongoDB
- Our main goal is to provide predictions on OHLCV values using a Bayesian network and Expectation Maximization learning algorithm

eCommerce site (04/2020 - 05/2020)

- with integrated bank transfer, courier and invoice API

Easter themed App (03/2020 - 04/2020)

- Built using nodeJS and mongoDB