

ANDREI NECULAI

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PROFILE

Senior Software Engineer with 10+ years of experience in developing web applications using .NET / Node.js ecosystems. Consider myself to have an eye for details and a thirst for knowing everything about the product I'm working on. Enjoy optimizing backend/frontend performance.

SKILLS

Programming Languages: Javascript, Typescript, C#, SQL

Frontend: React, AngularJs

Backend: Node.js, .NET/.NET Core, ASP.NET, NancyFx, Sequelize, Dapper

Databases: Postgres, Redis, Microsoft SQL Server

DevOps/Cloud: Docker, Kubernetes, AWS, AppVeyor, CircleCI, Github Actions

Others: Git, GraphQL, LiquidJS, FFmpeg

WORK EXPERIENCE

PAYSCALE

Bucharest, Romania (Remote)

Sep 2025 – Present

Senior Software Engineer

Member of the MarketPay development team. MarketPay is a web-based platform designed for managing and analyzing job compensation.

Backend is built using Node.js and runs in Docker containers. PostgreSQL for storage.

ATELIERE CREATIVE TECHNOLOGIES

Bucharest, Romania (Remote)

Feb 2022 – Jun 2025

Senior Software Engineer

Member of the Connect development team. Connect is a web-based platform for media supply chain management.

Backend was built using Node.js and ran in Docker containers as part of a Kubernetes cluster. API built with GraphQL.

PostgreSQL for storage.

- Extended functionality for generating metadata files using LiquidJS template engine.

- Added functionality for trimming/stitching video files using AWS MediaConvert / Dolby Hybrik.

- Added functionality for thumbnail extraction using FFmpeg.

- Various improvements in organizing and delivering media assets.

MOOD MEDIA

Bucharest, Romania (Hybrid)

Apr 2017 – Jan 2022

Full Stack Engineer

Developed and maintained a web application used for managing advertisement content. Backend was built using .NET (.NET 4.6 to .NET Core 3.1) and AngularJs/React for frontend.

- Improved performance of multiple API endpoints by optimizing SQL queries and code refactoring.
- Improved frontend performance when rendering lists/trees/grids with large amounts of data.
- At the end of Q3 2018, I led the transition of new dev colleagues into the team, as previous ones changed teams. For a few months, it was a rewarding challenge to solve support issues with minimal help and to share knowledge with colleagues.

EQUILOBE SOFTWARE

Bucharest, Romania (On-site)

May 2015 – Mar 2017

Full Stack Engineer

Developed and maintained a web application used for employers' risk inventory. Backend was built with .NET 4.5. NHibernate for data access. Frontend used vanilla JavaScript and in-house frameworks.

- Created a questionnaire wizard with plain Javascript and prototypical inheritance.
- Assisted in migrating the web framework from Castle Monorail to ASP.NET MVC.

SWIRO

.NET Developer

Contributed to the development of a desktop application for fiber management. The application was developed using WPF. Entity Framework Code First for data access.

Bucharest, Romania (On-site)

Jul 2013 – Apr 2014

EDUCATION**BUCHAREST UNIVERSITY, FACULTY OF MATHEMATICS AND COMPUTER SCIENCE** Bucharest, Romania

Master Degree

2014 - 2016

Major in Software Engineering

Admission GPA: 9.81/10; Years GPA: 9.06 / 10

Graduation project was exploring how isomorphic javascript can be [achieved](#).

BUCHAREST UNIVERSITY, FACULTY OF MATHEMATICS AND COMPUTER SCIENCE Bucharest, Romania

Bachelor Degree

2011 - 2014

Major in Computer Science

Admission GPA: 8.33/10; Years GPA: 8.23 / 10

Graduation project was a web application where multiple users could test their general knowledge against each other by doing quizzes in real time.