

ANDREI NECULAI

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PROFILE

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

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. React for frontend.

ATELIERE CREATIVE TECHNOLOGIES

Bucharest, Romania (Remote)

Feb 2022 – Jun 2025

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.

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.