

# ANDREI NECULAI

Bucharest, Romania | +40 727 843 344 | [neculaiandrei@hotmail.com](mailto:neculaiandrei@hotmail.com)  
[linkedin.com/in/andrei-neculai](https://www.linkedin.com/in/andrei-neculai) | [github.com/neculaiandrei](https://github.com/neculaiandrei)

## PROFILE

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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

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**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

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### PAYSCALE

Bucharest, Romania (Remote)

Senior Software Engineer

Sep 2025 – Present

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)

Senior Software Engineer

Feb 2022 – Jun 2025

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)

Full Stack Engineer

Apr 2017 – Jan 2022

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)

Full Stack Engineer

May 2015 – Mar 2017

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

Bucharest, Romania (On-site)

Jul 2013 – Apr 2014

Contributed to the development of a desktop application for fiber management. The application was developed using WPF.

Entity Framework Code First for data access.

## EDUCATION

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### 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.