

# ANDREI NECULAI

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## PROFILE

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Software Developer 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 of knowing everything about the product I'm working on. Enjoy optimizing backend/frontend performance.

## SKILLS

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**Programming Languages:** C#, Javascript, Typescript, SQL

**Frontend:** AngularJS, React

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

**Databases:** Microsoft SQL Server, Postgres, Redis

**DevOps/Cloud:** Containerization, Kubernetes, AWS, AppVeyor, CircleCI, Github Actions

**Others:** Git, GraphQL, LiquidJS, FFmpeg

## WORK EXPERIENCE

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### ATELIERE CREATIVE TECHNOLOGIES

Bucharest, Romania (Remote)

Backend Developer

Feb 2022 – Present

Developed and maintained a web application used for media supply chain management. Backend is built using Node.js and runs in Docker containers as part of a Kubernetes cluster. The API is 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 Developer

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.
- End of Q3 2018, led the transition of new dev colleagues into the team, as previous ones changed teams. For a few months it was a nice challenge solving incoming issues with minimal help and helping them with knowledge transfer.

### EQUILOBE SOFTWARE

Bucharest, Romania (On-site)

Full Stack Developer

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

Bucharest, Romania (On-site)

.NET Developer

Jul 2013 – Apr 2014

Contributed to the development of a desktop application for fiber management. 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 quiz in real time.