



**ANDREI NECULAI**

Full Stack Developer

## Contact

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## Experience

### Backend Developer

Feb 2022 - Present @ Ateliere Creative Technologies

Developed and maintained web application used for digital media supply chain and distribution.

Backend built with NodeJs and run in Docker containers, part of Kubernetes cluster. API built with GraphQL and using Postgres as storage.

#### Highlights:

- Helped extending functionality for generating metadata files using Javascript template engine.
- Helped adding new functionality for trimming/stitching video files.

### Full Stack Developer

April 2017 - Jan 2022 @ MoodMedia

Developed and maintained web application used for managing digital signage content.

Backend spanned across different versions of .NET, from .NET 4.6 to .NET Core 3.1 for different projects. Frontend was done using either AngularJs or React.

#### Highlights:

- Improved performance of multiple API endpoints by SQL query optimizations and code refactoring.
- Improved frontend performance for rendering lists/trees/grids with large amount of data.
- Gained familiarity with functional programming.
- End of Q4 2018, I was surrounded with new colleagues, as the previous ones left. For a few of months it was a challenge:
  - Solving incoming issues with minimal help.
  - Helping new colleagues with knowledge transfer.

### Full Stack Developer

May 2015 - March 2017 @ Equilobe

Developed and maintained web application used in Netherland for risk inventory.

Backend built with .NET 4.5 along with NHibernate & SQL Queries for data access. Frontend used vanilla Javascript and in-house frameworks.

#### Highlights:

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

### .NET Developer

July 2013 - April 2014 @ SWIRO

Helped developing an application for fiber management used in Switzerland.

Application developed with WPF and Entity Framework Code First for data access.

## Education

### Master Degree - Software Engineering

2014 - 2016 @ Bucharest University, Faculty of Mathematics and Computer Science

Admission grade: 9.81 out of 10.

Years grade: 9.06 out of 10.

The project for graduation was exploring how isomorphic javascript can be achieved with latest web tools at that time. Project was using NodeJs, React, Redux. Repository can be found [here](#).

### Bachelor Degree - Computer Science

2011 - 2014 @ Bucharest University, Faculty of Mathematics and Computer Science

Admission grade: 8.33 out of 10.

Years grade: 8.23 out of 10.

The project for graduation was a web app where multiple users could test their general knowledge against each other by doing a quiz in real time. Project was using ASP.NET MVC, Azure, SignalR.

## Skills

Languages	•HTML •C#	•CSS •SQL	•Javascript	•Typescript
Frameworks	•AngularJs •.NET/.NET Core	•React •Dapper	•NodeJs •ASP.NET	•Sequelize •NancyFx
Tools	•Git	•Microsoft SQL Server •Postgres		•Redis

	TOOLS	<ul style="list-style-type: none"><li>• Git</li></ul>	<ul style="list-style-type: none"><li>• Microsoft SQL Server</li></ul>	<ul style="list-style-type: none"><li>• Postgres</li></ul>	<ul style="list-style-type: none"><li>• Redis</li></ul>
	AWS	<ul style="list-style-type: none"><li>• Docker</li><li>• S3</li></ul>	<ul style="list-style-type: none"><li>• Kubernetes</li><li>• SNS/SQS</li></ul>	<ul style="list-style-type: none"><li>• AppVeyor</li><li>• MediaConvert</li></ul>	<ul style="list-style-type: none"><li>• CircleCI</li></ul>