ANDREI NECULAI

Software Developer

Software Developer with background 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.

Contact

- Bucharest, Romania
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Experience

Backend Developer
Feb 2022 - Present @ Ateliere Creative Technologies

Developed and maintained 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. API is built with GraphQL. PostgreSQL for storage.

Accomplishments:
- Extended functionality for generating metadata files using LiquidJS template engine.
- Added new functionality for trimming/stitching video files and thumbnail extraction.
- Various improvements in organizing and delivering media assets.

Full Stack Developer
April 2017 - Jan 2022 @ MoodMedia

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

Accomplishments:
- Improved performance of multiple API endpoints by optimizing SQL queries and code refactoring.
- Improved frontend performance when rendering lists/trees/grids with large amount of data.
- End of Q3 2018, led the transition of new dev colleagues into the team, as previous ones changed teams. For a few of months it was a nice challenge:
  - Solving incoming issues with minimal help.
  - Helping them with knowledge transfer.

Full Stack Developer
May 2015 - March 2017 @ Equilobe

Developed and maintained 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.

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

.NET Developer
July 2013 - April 2014 @ SWIRO

Contributed to the development of an application for fiber management. Application was developed using WPF. 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 / 10, Years grade: 9.06 / 10.
Graduation project was exploring how isomorphic javascript can be achieved.

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

Admission grade: 8.33 / 10, Years grade: 8.23 / 10.
Graduation project was a web app where multiple users could test their general knowledge against each other by doing a quiz in real time.

Skills

Category			
Programming Languages	• C#	• Javascript	• Typescript	• SQL
Frontend	• AngularJs	• React		
Backend	• NodeJs	• .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