



Antonio Marasescu-Duran

Senior Software Engineer

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English

BACKGROUND

ABOUT

Hello! I am Antonio, an IT enthusiast which works full-time as a Full-Stack Software Engineer, often taking on the responsibilities of a lead developer. This includes managing DevOps and sometimes overseeing a project architecture. I have expertise in web development, particularly with Angular and React, while on the backend, I typically use Node.js and Spring. In terms of cloud computing, my expertise lies in utilizing AWS, CDK, and Terraform.

WORK EXPERIENCE

Senior Software Engineer, [MSG Systems Romania](#)

Mar, 2022 - Mar, 2024 2 years

At present, I am leading a team focused on the development and integration of Large Language Model (LLM) solutions into an Objective and Key Results (OKR) management application, leveraging a completely serverless architecture. I bear the primary responsibility for the architectural design and research on various subjects, as well as managing the AWS cloud infrastructure using the CDK.

- I am spearheading the creation of an internal component library for the company, designed to enhance brand consistency and facilitate reusability across its internal projects.
- Worked on developing a platform that Babeş-Bolyai University aims to showcase its projects that involve citizens in a comprehensive and accessible manner. My role involved full-stack development duties, with a focus on refining and improving challenging aspects of the application, including functionality, JPA query optimization, and enhancing overall code cleanliness and quality.
- Worked on a responsive processing application for leads in sales management which needed to handle large amount of external imported data through excel, being the main frontend developer and contributing to the AWS architecture.

Software Engineer, [MSG Systems Romania](#)

Mar, 2020 - Mar, 2022 1 year 11 months

I was involved in the development of several applications which offered insurance companies an automation of the reinsurance workflow through a private permissioned blockchain called Corda. Contributed to structuring and orchestration the frontend side of the application, adding good practice patterns such as Redux and reusable component library using Storybook. Managed the orchestration and architecture of complex logic for a large number inter-fields calculations and validation.

- In addition to this, I contributed to a multi-party contract negotiation platform that featured fully segregated data multi-tenancy. My primary responsibilities included developing the frontend React application and contributing to the project's architecture.
- Furthermore, I assumed the role of Lead Coordinator within the company's internship programs, overseeing a team of mentors and

spearheading the development of the training curriculum, thereby enhancing the professional growth and learning experience of the interns.

- Additionally, I created a roadmap creator and viewer for the company's training programs, enabling the display of graph-like roadmaps with links to markdown files hosted on Github.

Junior Software Engineer, MSG Systems Romania

Sep, 2019 - Mar, 2020 6 months

Worked on an application for ticketing and promotions offered by energy companies in Germany. Contributed to the development of a full-stack application, employing Node.js (Express.js), GraphQL, Angular, Postgres, Redis and AWS, implementing features across all facets of the application, including E2E testing using Cypress.

- Furthermore, I served as a mentor within the company's internship program, providing guidance and training to interns to enhance their professional development.

Summer Intern, MSG Systems Romania

Jun, 2019 - Sep, 2019 3 months

Worked and developed a full-stack project alongside a small team of fellow interns using Angular, Spring and a SAP backend.

Intern, Yardi Romania

Oct, 2018 - Jan, 2019 3 months

Worked on as a web developer intern in an Agile project focusing of US real estate market.

SKILLS

Frontend

Angular React HTML CSS SASS Tailwind Ngrx Redux Material Design Storybook

Languages

TypeScript JavaScript Java Solidity

Backend

Terraform AWS CDK AWS Services Docker Github Actions

DevOps

NodeJs SpringBoot AWS Lambda ExpressJs NestJs GraphQL PostgreSQL DynamoDB JPA TypeORM

Testing

Jest Cypress

Miscellaneous

Git Nx Esbuild Ethereum

EDUCATION

Information Technology in Economy, Master's Degree, Technical University of Cluj-Napoca

Jan, 2020 - Sep, 2023

Computer Science, Bachelor's degree, Technical University of Cluj-Napoca

Jan, 2016 - Sep, 2020

Intensive Mathematics-Informatics, Baccalaureate, Ion Bratianu National College, Pitesti

Jan, 2012 - Sep, 2016

CERTIFICATES

AWS Certified Developer – Associate, Amazon Web Services Training and Certification

Issued on: May 30, 2024

Corda Certified Developer, R3

Issued on: Mar 17, 2020

