RUSU DINU-ȘTEFAN

Software Developer

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EDUCATION

Bachelor in Computer Engineering
University Politechnica of Bucharest
📅 Oct 2020 – Jun 2024

Bachelor degree
"Tudor Vianu" National College of Computer Science
📅 Sept 2016 – May 2020

EXPERIENCE

WEB Software Developer
Cosmin Savu
📅 Dec 2019 – March 2021   ♀ Bucharest, Romania

- Cosmin Savu is an important investigational journalist in Romaina.
- Developed his website in an Agile manner, using Spring Boot, React, MongoDB, Firestore, Elasticsearch and a custom-built CDN for fast-size-optimized images.
- Hybrid-Cloud architecture, connected cloud services with self-hosted ones.
- Optimized for high loads. 10% faster compared to other news/blog websites.

Android Software Developer
Rubrika
📅 Aug 2019 – Dec 2019   ♀ Bucharest, Romania

- Developed the Rubrika Android app from scratch, using native code (Java) and Android Studio. The Android app is up to 30% faster than the website.

ACHIEVEMENTS

- Placed 2nd place at "Infoeducatie Nationala" 2020
- Placed 3rd place at "Infoeducatie Online" 2020
- Placed in top 15% at "Infoeducatie Nationala" 2019
- Participated at "Performanțe Vianiste", XI th. Edition, 2019
- Participated at "DaVinci Contest, Reinvent the Future", IV th edition, 2018
- Participated at "Performanțe Vianiste", X th. Edition, 2018

SKILLS

Java, Dart, C++, Javascript, C#, Node.js
React, Flutter, Spring Boot
Kubernetes, Docker
AWS, Firebase, Firestore, MongoDB, Elasticsearch
Android Development
Linux, Git, Microservices, Agile, Scrum, Hybrid Cloud
Illustrator, Lightroom, Premiere Pro

HONORS & AWARDS

- Invited at PRO TV (ILikeIT, a show where innovative apps are showcased)

PROJECTS

Divers Data and Drivers Data PRO

- Developed the first virtual logbook for drivers. Drivers Data is a serverless app that uses Firebase, Node.js, Java and was built for Android. The web version of the app is built with HTML, CSS and JS. The app can generate reports for up to 3 years, in just 15 seconds. Those reports are saved in an EXCEL table. More than 50 users daily, with a total of 1000 active users.

Custom Built CDN

- Built a custom CDN from scratch using Spring Boot. Optimized for serving images in under 50ms [tested in Romania, on devices with latency under 10ms]. Auto-image resizing and smart cache.

Website Paul Angelescu

- Developed Paul Angelescu's (romanian journalist) website using the same technology stack used for Cosmin Savu's website.

PBI

- Developed a web-app where students can find solutions to most of the problems shown by PbInfo. The website contains more than 1000 algorithms and solutions to the problems. For this web-app I used Firebase, C#, React and HTML + CSS for some pages. More than 100 users daily.

RIP.WTF

- Developed a website to quickly shorten urls. The front end was made in React and the back end was written in Node.js. As a database I used a NOSQL database.

Whist Score Table

- Developed an app for the players of Whist. The app is a score-keeper and was written in Java, for Android. I also used Firebase Functions and Firestore. More than 200 players have used this app for their score-keeping.

MyGoal: Expenses Assistant

- Built an app that motivates the user to save money.

VOLUNTEERING

- Volunteered as Full Stack Software Developer at the VianuMUN website for the Vianu MUN conference in 2019.
- Volunteered as Assets Designer for "Concurs de Costume Traditionale Romanesti".