RUSU DINU-ȘTEFAN

Software Engineer

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EDUCATION

Bachelor in Computer Engineering
University Politehnica of Bucharest

📅 Oct 2020 – Jun 2024

Bachelor degree
"Tudor Vianu" National College of Computer Science

📅 Sept 2016 – May 2020

EXPERIENCE

FullStack Engineer
Tazz by eMAG

📅 Aug 2021 – present   📍 Bucharest, Romania

- Algorithms & Machine Learning team
- Developing the xDelivery services using Angular and Spring Boot in an agile manner.
- Using Python to create various system performance KPIs.

WEB & Mobile Software Developer
Cosmin Savu

📅 Dec 2019 – March 2021   📍 Bucharest, Romania

- Cosmin Savu is an important investigational journalist in Romania.
- Developed his website and cross-platform Mobile Apps in an Agile manner, using React, Flutter, Spring Boot, MongoDB, Firestore, Elasticsearch and a custom-built CDN for fast-size-optimized images, based on a Hybrid-cloud architecture.
- Optimized for high loads. 10% faster compared to other news/blog websites.

ACHIEVEMENTS

- Placed 2nd place at the Scientific Session - UPB 2021
- 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, Javascript, Python, Node.js, C++, C#
Angular, React, Flutter, Spring Boot
Kubernetes, Docker
Firebase, Firestore, MongoDB, Elasticsearch, AWS
Mobile Development, Linux, Git, Microservices, Agile, Scrum, Hybrid Cloud, NGINX, Grafana, Kibana, Prometheus
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 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.

Comentarii BAC Romana si eseuri audio
- An app with essays for a National Exam. More than 5000 total downloads and 200 active users daily.
- Top 5 trending educational apps on Google Play, summer of 2021.

PBI
- Developed a website 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. Used Spring Boot and Thymeleaf. Pages load in under 50ms. More than 1000 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.

VOLUNTEERING

- Judge & Mentor at the National Olympiad "InfoEducatie" in 2021
- Organizer & Mentor at "Hardcore Entrepreneur"
- 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".