Tudor Rus

Software Engineer

- Cluj-Napoca, Cluj, Romania
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- TudorRus
- Rudy-42

SKILLS

Frontend Web Development
- ReactJS
- React Native
- HTML/CSS
- Javascript
- Thymeleaf

Backend Development
- Java
- Spring
- Hibernate
- Liquibase
- SQL
- C/C++
- Python

DevOps
- Docker
- Jenkins
- Heroku
- Bitrise
- Git

Database Management
- PostgreSQL
- MySQL
- Elastic Search

PERSONAL PROJECTS

Home Care Medical Platform
- Java
- Spring
- Docker
- MySQL
- React
- Typescript
- RabbitMQ
- gRPC
- Heroku

Banking Application
- Java
- Spring
- Hibernate
- SQL
- Angular
- HTML/CSS/JS

Airport Management System
- Spring Boot
- Java
- ReactJS

Berkeley Pacman AI Project
- Python
- Reinforcement Learning

LANGUAGES

English
C2

Romanian
Native

French
Basic

Spanish
Basic

EDUCATION

Technical University of Cluj-Napoca
Bachelor of Science, Computer Science
(September 30, 2017 - July 15, 2021)

WORK EXPERIENCE

Codemart
Software Engineer, 2 years

- Implemented a complete distributed Medical Platform which integrates two management web apps for hospitals and doctors, as well as a mobile app for patients.
- Developed new front-end and back-end features such as: automatic pharmacy ordering system based on treatment and prescriptions, full dependencies update with code refactoring, database migrations etc.
- Delivered a powerful white labeling feature by designing and implementing a generalized theme customization system for the mobile app.
- Created a React Native library for custom secure file sharing directly with a target app.
- Designed and implemented a CI/CD pipeline using Jenkins and Docker for the mobile app which contains testing (integration and unit tests), build and deploy (using fastlane) steps for iOS and Android.
- Technologies: **Java, Spring, Hibernate, SQL, ReactJS, TypeScript, React Native, Detox, Docker, Jenkins, Flyway, Fastlane**.
- Acted as a **Full-Stack Developer, DevOps and Test/QA Engineer**.

Exigea
Software Engineer, 1 year

- Designed and developed the architecture for the backend of a German mobile shopping app.
- Implemented features like dynamic feed, automated emailing system, discount system, bulk insertion of crawled data etc.
- Enabled administration operations by developing an admin panel which facilitates management of orders, users, discount campaigns, products, shops etc.
- Integrated Elastic Search and created a real time synchronization system between the elastic instance and the database, thus reducing complex requests search time from 15 s/query to less than 0.5 s/query.
- Improved endpoint response time by optimizing business logic and database queries throughout the backend.
- Provided consulting services, balancing the needs and limitations of the client by proposing out-of-the-box solutions that take into account both functional and non-functional requirements.
- Technologies: **Java, Spring, Hibernate, SQL, Liquibase, Thymeleaf, Elastic Search**.

Rudymental
Project Manager & Developer, 2 years

Automated Traffic Analyzing System

- Acted as a Product Manager and Team Lead to coordinate the delivery of a complete traffic survey automation tool using state-of-the-art machine learning models.
- Performed business analysis to extract the needs of the client and proposed solutions and improvements to create a more robust user experience.
- Designed the architecture of the system as a data processing pipeline with focus on performance, maintainability and modularity such that each module can be easily refined or replaced by more performant counterparts as the product grows.
- Technologies: **Python, TensorFlow, Anaconda, Tkinter, PyTorch**.

Product Organizing System

- Managed and developed a highly efficient pallet product placement system for a prominent Romanian food manufacturing and distribution company.
- Implemented the MVP and organized the workflow of the team based on the Agile Methodology.
- Employed Test-Driven-Design to ensure the reliability of the system given a broad input variation range and a complex rule policy.
- Technologies: **Python, Tkinter**.

CEZ Platform Redesign and Implementation

- Implemented a full redesign of the platform of a natural gas and electrical energy distribution company.
- Created new end-to-end features to enable dynamic management of offers, campaigns and other such entities contained in the app.
- Technologies: **Java, HTML, CSS, JavaScript, Liferay, Postgres**.