

# Rata Andrei



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## Employment History

**Aug 2023 - Sap Pioneer**  
**Present** *Software Engineer*

- Delivering functionality on large-scale projects regarding banking.
- Heavy testing functionalities, with coverage over 80

**Technologies:** React, Jest, Jest-when, Testing Library

**Aug 2022 - Tradeshift**  
**Aug 2023** *Software Engineer*

- Rewriting legacy modules to today's standard
- Creating testing environments for modules with sensitive data
- Taking part in decision-making regarding Frontend architecture

**Technologies:** React, Redux, Testing Library, Msw, RxJs, Typescript, Jest

**Jul 2021 - eSolutions, Bucharest**  
**Jul 2022** *Software Developer*

- Mentoring interns on React.js.
- Developing features and pages for the GoPro Website.
- Coordinator for the juniors on developing new infrastructure for Replicator (Framework for generating web applications).

**Technologies:** React.js, React Redux, RxJS, Jest, Spring REST, Docker, Docker-compose.

**Oct 2020 - University POLITEHNICA, Bucharest**  
**Jul 2021** *Teaching Assistant*

- Teaching students Protocols of Communication.

**Technologies:** C, Python

**Dec 2019 - eSolutions, Bucharest**  
**Jul 2021** *Junior Software Developer*

- Working on Replicator(Generic Web App engine), developing generic React components(Tables, Pages, Forms etc), which consumes auto generated APIs.
- Building a Car Management platform using Replicator, with a custom notification system.
- Developing crawlers and new features in an infrastructure that collects informations about products of different suppliers.

**Technologies:** React.js, Spring REST, Spring Boot, PostgreSQL, Hibernate, Docker, Docker-compose.

## Education

**2013-2017 - HighSchool**  
HighSchool "Stefan cel Mare" of Suceava, Romania

**2017-2021 - Bachelor Degree in Computer Science**  
University "POLITEHNICA" of Bucharest, Romania

## Software Engineering Skills

- **Experienced**  
Java 11, Spring Boot, Spring REST, React.js  
React Hooks, PostgreSQL, HTML/CSS, docker  
docker-compose, C
- **Intermediate**  
Kubernetes, Jest, ESLint, C++, React Redux, RxJS  
Python

## Projects

- **1st Place NASA SpaceApp Challenge**  
App that tells the air quality everywhere on the Earth and has a system of challenges that encourage our users to stop polluting the air
- **Bachelor Thesis**  
An optimization for the text classification algorithm  
**Latent Dirichlet Allocation**