

# Radu Pașparugă

SOFTWARE ENGINEER

☎ (+40) 759077307 | ✉ radupasparuga25@gmail.com | 🏠 radupasparuga.github.io | 📱 radupasparuga | 🌐 radu-pasparuga

## About me

**Programming Languages** JavaScript, Python, C/C++, Java, HTML, CSS

**Databases** MongoDB, MySQL, PostgreSQL, Firestore

**Back-End** Node, Python, Firebase, Express, Flask, GraphQL, Apache

**Frameworks** React, Redux, Vue, Vuex, Vuetify, ES6, SASS, SCSS, Axios, Git, Github, Gitlab, Discord.js, Discord.py

## Experience

### Benchapp

Remote

FULL-STACK DEVELOPER CONTRACTOR

May. 2019 - Jun. 2019

- engineered a helper bot for their in-application chat system
- reduced API calls by 50% caching the results from search queries
- improved the overall feel of the helper system by taking a user-first approach, enabling different use cases for the system

### Apollo Dae

Remote

FRONT-END DEVELOPER INTERN

Jul. 2018 - Dec. 2018

- developed a time-tracking web application
- turned PSD designs into Vue components using ES6, CSS, Vuetify
- engineered a Rest API in Node. While developing the API I managed to implement multiple features (e.g. jwt authentication, error codes, authentication based access, password reset, data storing inside MongoDB), while fixing common backend problems (callback hell, duplicate users, weak passwords) and keeping it all secure following the latest OWASP practices.
- improved server response time by 60% reducing the amount of api calls and using caching to store valuable data

## Projects

### Party-stream

Vue, Vuex, Firebase, Firestore, Web  
Sockets

WEB APPLICATION TO BINGE-WATCH YOUTUBE VIDEOS WITH FRIENDS

- Party-stream is an awesome website that allows you to watch videos with friends while being synced between all devices.
- Designed the system that synchronises videos on multiple sockets
- Reduced API calls when synchronising by saving time stamps instead of updating the state on every second
- Engineered a highly successful algorithm for users to stay in sync in case of network issues and/or video stuttering

### WorldWideStudents

React, Redux, Node, Express,  
MongoDB, Axios

A PLATFORM FOR STUDENTS TO MEET OTHER STUDENTS FROM ALL AROUND THE WORLD

- WorldWideStudents is a platform for students to meet other students from different countries. It uses React and Redux on front-end and Node on the Backend.
- The front-end is split into multiple components, therefore increasing code cleanliness and scalability. Most components require some sort of state management in a way or another (checking if a user is authenticated, displaying certain content for certain users based on settings) and that is handled by Redux's actions and reducers that do GET/POST requests to the backend Api using Axios.
- The back-end consists of a Rest Api engineered in Node that uses MongoDB as the primary Database. The api has some basic routes (e.g. login, signup, getUsers) that sends data to the frontend handlers. The backend uses the newest industry-standards when it comes to Api security, it follows the yearly OWASP guide on security and it uses an easy to understand set of rules.

## Education

### "Gheorghe Asachi" High School

Piatra-Neamt, Romania

Oct. 2016 - PRESENT