Marcin Mieszczak

Email address: marmie025@gmail.com

GitHub: https://github.com/marm007

Portfolio: https://marm007.github.io/portfolio/

Profile

I'm a responsible and hardworking Junior Software Engineer. I graduated from AGH UST with Bachelor of Science in Computer Science Degree. During my studies, I have created many programs in JavaScript, Java, C#, C++ and Python. I am familiar with technologies such as React, Angular, Vue, Node.js, Django and Spring Boot. In my spare time, I've also created some simple games for Android and iOS.

Education

Master of Science in Computer Science

AGH UST, Kraków, 09/2020 – present

Bachelor of Science in Computer Science

AGH UST, Kraków, 09/2016 – 02/2020

Experience

Student Internship

TECH Sterowniki, Wieprz, 06/2019 – 07/2019

Freelance

Eurofirany, Żywiec, 06/2020 – 09/2020

- Worked with Node.js, React, CodeIgniter and Smarty

Academic Projects

React Film App

- The project is supposed to be similar to YouTube. The frontend was created in React using functional components, hooks and React Context. The backend was created in Node.js using Express framework. The application uses MongoDB to store data. It uses Basic and JWT authentication. The main functionality of the application is to preview, add and like films. It also allows users to edit and delete created films. Users can create, add films and manage playlist privacy. The application also provides the ability to comment on films. Frontend is deployed to GitHub Pages, API to Heroku and database uses MongoDB Atlas.

Angular Photo App

- The project is supposed to be similar to Instagram. The frontend was created in Angular. The backend was created in Django using Django Rest Framework. The application uses PostgreSQL as DBMS. For periodic task execution it uses Celery with RabbitMQ. The application uses the Axes plugin for Django to implement simple blocking of brute-force attacks. It also uses recatch while creating account to prevent spam.

Vue Film App

- The project is supposed to be similar to YouTube. The frontend was created in Vue. The backend was created in Spring Boot. The application uses MongoDB to store data.

Grain Growth Parallel

- Application was written using WPF. It uses parallel computing to generate the microstructure of the material with the CA grain growth algorithm or Monte Carlo algorithm in 2D and 3D spaces. Calculations can be performed sequentially or in parallel using OpenMP and MPI. The application is divided into two parts: UI and Server.

Simple Java Projects

- Ten projects using java language and different frameworks and technologies. One of projects is Calculator build using Swing and mXparser library. Another project is application for project management using Kanban method. User can add new task, description and expiration date. Tasks are placed in one of three tables. Tasks can be moved between tables. User can save and read tasks with .txt or .xml format. Another project was Rest API for creating simple surveys. It was created using Spring Boot.