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Git Hub

Robert Wrana

Summary

Full-stack Web Developer with 3-4 years of experience in the software industry. Technology of choice for creating client web/hybrid applications is Vue.js with Quasar Framework and for server applications is .NET Core / .NET 5. Eager to learn new and improve existing skills.

Skill

- JavaScript (TypeScript)
- Vue.js (Vuex, Quasar Framework)
- Java (Spring Boot)
- MS SQL Server
- PostgreSQL
- Couchbase
- Git
- C# (.NET Core, .NET 5, Entity Framework Core)
- Angular(Kendo UI, NGXS)
- HTML5
- CSS (SCSS)
- React

Experience

Front End Developer - 09/2017 to 05/2019
Hiwe IT, Čakovec
- Worked on implementing web client applications for ERP systems.
- Implemented reusable table component that extends the functionality of a library Tabulator
- Skills: **JavaScript, JQuery, Bootstrap, HTML, CSS**

Bachelor's Degree Final Project - 03/2018 to 07/2018
Multi-criteria Decision Making Web Application using the Analytic Hierarchy Process
- Developed a web application for multi-criteria decision making using mathematical method called Analytic Hierarchy Process (AHP)
- The core of the application:
  - graphical modeling hierarchy of criteria and their weights implemented using hierarchy of diagram components
  - creating or importing list of data
  - applying decision making algorithm
- Skills: **C# (ASP.Net Core, Entity Framework Core), MS SQL Server, JavaScript, React, Bootstrap, HTML, CSS**

Full-Stack Developer - 06/2019 to 04/2020
Hiwe IT, Čakovec

- Implemented Spring Clean Architecture Project Template that will be used in every project

- Server application template (Spring Boot):
  - inspired by principles of Clean Architecture
  - implemented logic for easier report creation using Jasper Reports implemented using façade pattern
  - implemented logic for export/import CSV / Excel files
  - implemented logic for Spring Security
  - implemented logic for Spring Data for Couchbase NoSQL database
  - implemented logic for saving files as a document (JSON) or as a system file
- Client web application template (Vue.js, Vuex, Quasar Framework):
  - implemented reusable component for handling forms with various types of inputs inside a table's rows – QDataTable (Live Demo)
  - implemented mixin for creating validation functions from *validate.js* (with fluent api) object for easier application of validation logic
- Skills: **Java, Spring Boot, Couchbase, JavaScript, Vue.js (Vuex, Quasar Framework), HTML, SCSS**

Full-Stack Developer - 04/2020 to 07/2020
Factory X, Pribislavec

- Upgraded legacy Angular configuration (Webpack) to Angular CLI for better development experience
- Reimplementing legacy Angular code using better software architecture and principles
- Skills: **JavaScript, Angular, Kendo UI, NGXS (state management library), .Net Core, Entity Framework Core, MS SQL Server, HTML, CSS**

Full-Stack Developer - 07/2020 to 01/2021
Hiwe IT, Čakovec

- Improved previous Spring Clean Architecture Project Template by removing spring dependencies from service layer so that domain and service layers can be sharable with an android application
- Setup library PipelinR, which is an implementation of mediator pattern, for service layer
- Implemented validation, logging, performance middlewares
- Implemented dynamic vuex module for handling authentication and authorization with different behaviors for different types of session tokens (JWT, refresh tokens, replaying failed requests caused by session timeouts, etc.)

- Skills: **Java, Spring Boot, Couchbase, JavaScript, Vue.js (Vuex, Quasar Framework), HTML, SCSS**

Master's Degree Final Project - 10/2020 to 02/2021
Generic System for Developing Process-oriented Applications that Support Document Management

- Web application is a generic workflow engine, it has been implemented in a way it allows users to define custom workflows for many business use cases. It works just like a finite state machine, workflow has states and every state has data and actions which triggers a transition to another state of a workflow.
- For every state of a workflow, users can design custom user interfaces like forms and texts. For that use case, I've created separate component called QElementTree (Live Demo) for building custom user interfaces using Quasar Framework UI components.
- Skills: **C# (.NET 5), Entity Framework Core, JavaScript, Vue.js (Vuex, Quasar Framework), HTML, SCSS**

Education

Bachelor's Degree in Computer Science: **Software Engineering and Computer Information Systems** – 2018 - **Faculty of Electrical Engineering and Computing,** University of Zagreb

Master's Degree in Computer Science: **Software Engineering and Computer Information Systems** – 2021 - **Faculty of Electrical Engineering and Computing,** University of Zagreb