Jan Babák

Full-stack Software Engineer

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PROJECTS

FRONTEND OF E-SHOP ADMINISTRATION | Vue.js, TypeScript, Vuetify, CSS, git
2022

- → Administration of e-shops is a **web application** belonging to the company Jagu s.r.o. This tool allows one to sell a product on multiple e-shops and for each to set different data such as names, descriptions, languages, prices, and currencies.
- → As a part of my **bachelor's thesis**, I contributed to the development of the frontend. I worked in a team of 4 people (2 frontend, and 2 backend developers). I developed the parts of the administration that deal with manufacturers and products sold on e-shops.
- → This experience allowed me to **enhance my skills in frontend development, teamwork**, and using new frameworks and libraries like Vue.js or Vuetify.
- → `https://dspace.cvut.cz/handle/10467/102225`

MONEYBAG | Java, Spring, MySql, Vue, TypeScript, Vuetify, Swagger, Docker, git
2023

- → Moneybag is a tool for managing **personal finances** that allows users to create and categorize records, analyze income and expenses, and manage multiple accounts.
- → The backend was written in **Java** using the **Spring framework** and uses a MySql database for data persistence. The frontend is a single-page application connected via REST API and built with TypeScript, Vue.js, and Vuetify.
- → Developing this project **improved my skills in backend development**, including creating custom JPQL queries, API filters, and working with Spring Security.
- → `https://www.janbabak.com/moneybag`

CRYPTIFY | Swift, Swift UI, MVVC, Xcode, Figma
2022

- → Cryptify is an iOS **mobile app** that enables users to track the **real-time prices of cryptocurrencies**. It provides users with up-to-date rates and charts displaying price movements, trades, and order books. The app allows users to save their favorite currencies, create watchlists, receive notifications, and customize the UI.
- → I designed the app using Figma, then **developed it in Swift** language and **Swift UI** framework utilizing the MVVC architecture.
- → This project gave me valuable knowledge of mobile development for iOS devices.
- → `https://www.janbabak.com/cryptify`

EDUCATION AND CERTIFICATES

CZECH TECHNICAL UNIVERSITY
Faculty of Information Technology
Bachelor's in Web engineering Sept. 2019 - June 2022
Cum. GPA: 3.54 / 4.0
Master's in Web engineering Sept. 2022 - June 2024
(still studying)

ENGLISH
Cambridge English B2 First (FCE) 2019

DATABASE DESIGN AND PROGRAMMING WITH SQL
Oracle Academy 2021

SKILLS

PROGRAMMING

- Swift • Java • JavaScript
- Typescript • C++ • SQL
- HTML • CSS

LIBRARIES/FRAMEWORKS

- Spring • Vue.js • Vuetify
- Swift UI • UI Kit

TOOLS/PLATFORMS

- Git • GitLab • GitHub
- Swagger • Postman • Figma
- npm • yarn • Docker • Linux

EXPERIENCE

AZUL SYSTEMS CZECH |
Software engineer
Jul 2023 – present | Prague

I contribute to the Azul Intelligence Cloud. Collaborating with a multinational team across various time zones, my responsibilities encompass feature design and development, bug fixing, and code maintenance. Used technologies: Java, AWS, Docker, Gradle, Git, Gitlab, Jira, and Confluence.

DECATHLON A.S. | Sales assistant
May 2018 – Dec. 2018, Jun. 2019 - Sept. 2019 | Prague

I was assisting customers, operating the cash register, and servicing products.

IPSOS S.R.O. | call center operator
May 2016 – Dec. 2018 | Prague

I previously worked as a call center interviewer, conducting market research.