Arsenije Knežević
Software Developer

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Projects

Money Transfer System - a full-stack, distributed application simulating money transfers between accounts. It uses **React.js** for the web interface and a **RESTful API** developed using **Python** and **Flask**. Data is stored in a **MySQL** database, and the entire app is containerized with **Docker**.

Mars Rover app - Project made for mobile app engineer internship at Vega IT. Developed with **React Native** and supported in **IOS** and **Android** operating systems. The app gathers pictures from NASA's Mars rover API for users to download, share and list through their favorites.

Portfolio - Cloud-based cryptocurrency portfolio app developed using **Azure Cloud Services**. Used for transaction tracking and profit/loss calculations. Utilizes **Azure Blob**, **Queue**, and **Table storage** for data management and notifications. Includes email alerts for profit thresholds and service health monitoring.

Taxi Service - Taxi management app uses a **React.js** frontend and **microservices**-based **Service Fabric** backend to support Client, Driver, and Admin accounts with role-based access via **JWT** tokens.

Network Service - **WPF** application made using the **MVVM** pattern. Simulates an electricity metereing service that gathers values from a **TCP** client and uses **drag-and-drop** for organising meater display.

Education

Administration of computer networks   2016 - 2020
Administrator računarskih mreža
Technical highschool "9.maj", Bačka Palanka

Applied software engineering (bachelor's)   2020 - 2024
Primenjeno softversko inženjerstvo (OAS)
Faculty of Technical Sciences, Novi Sad

Applied software engineering (master's)   2024 -
Primenjeno softversko inženjerstvo (master)
Faculty of Technical Sciences, Novi Sad

Personal info

Date of birth
December 13, 2001

Linkedin
linkedin.com/in/arsenije-knezevic-977b1b298/

Github
github.com/ArsenijeKnez

Skills

Programming & Frameworks:
C#, .NET
JavaScript, TypeScript
Python (Flask)
C, C++
SQL

Development & Tools:
React.js, Node.js,
React Native
Unity3D
Git, Docker, Unix

Languages

Native Serbian
Fluent English

Certifications

ECDL certificate
Driver's License B