MOCANU VLAD-GEORGE

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TECHNICAL SKILLS& LANGUAGES

Programming Languages: JavaScript, TypeScript, Java, Kotlin, HTML/CSS, NoSQL(MongoDB), SQL(MS SQL, MySQL), C++

Frameworks: React, Vue.js, AngularJs, Node.js, Express

Developer Tools: Git, Firebase, Podman, Android Studio, Unreal Engine 5, Vite

Languages: Romanian, English

WORK EXPERIENCE

CANCOM ROMANIA, BUCHAREST

Software Developer • March 2022- Present

- Contributed to a **Full Stack** web project focused on developing robust employee management systems tailored for large organizations with over 1000 employees.
  - Used JavaScript and **Angular.js** for frontend development.
  - Employed **Node.js**, **Express**, and **SQL** on the backend for efficient data handling.
  - Additionally, translated the Angular.js template to **React** for new iterations of the project.
- Developed and maintained a customized solution for managing transport logistics in and out of a factory.
  - The system includes a barrier, truck scale, and an Automatic License Plate Recognition camera.
  - Implemented **Node.js** for efficient scale and camera management, receipt printing, and seamless data import/export between **MongoDB** and the client's **SQL** database.
  - The server operates on Kubernetes, managed with Podman, and the web interface was constructed using **Vue.js**.
- Engineered an application that encompasses the functionalities of QR code validation, payment processing, and receipt printing.
  - Overcame integration challenges by successfully connecting three interconnected devices: Worldline Valina for payment handling , Telpo T20 for ticket validation using the provided **SDK**'s for android implemented in **Java**, and a custom printer.

SC COMPUTER GENERATED SOLUTIONS, BUCHAREST

Technical Support Operator • July 2019 - October 2020

- Communicating profesionally with customers through calls regarding their issues with certain services and delivering technical/industry information in a manner appropriate to the audience
- Provide prompt and courteous technical support to customers via phone, email, or chat.
- Identify and analyze technical issues reported by customers to determine root causes.

PROJECTS

PERSONAL PORTFOLIO
VUE, C#, .NET, MySQL, DOCKER

Portfolio built to easily showcase projects that I've worked on, alongside my expertise in a web environment.

CHAT APP
REACT, EXPRESS, Socket.io, HTML/CSS

A web chat app made with react and express that handles text communication and image sharing using socket.io.

TOP DOWN SURVIVAL SHOOTER
UNREAL ENGINE 4

A top down survival game with endless waves of enemies, health pick-ups, enemy death tracker, made using Unreal Engine 4.

PLAYLIST CONVERTER
TYPESCRIPT, REACT, EXPRESS, HTML/CSS

Developed a program leveraging the Spotify and Google Web APIs to facilitate playlist conversion between Spotify and YouTube. The program handles searching for songs, creating playlists, and adding songs to the playlist in both directions.

WEATHER WEBSITE
REACT, EXPRESS, HTML/CSS

Weather page that shows the forecast for a certain location. It was created using data from mapbox.com and openweathermap.org.

EDUCATION

University POLITEHNICA of Bucharest
Electrical, Electronics and Communications Engineering • 2017–2021

TRAIAN HIGHSCHOOL, CONSTANȚA
Mathematics - Informatics • 2011–2015

CERTIFICATIONS

BACK END DEVELOPMENT AND APIS
https://www.freecodecamp.org/certification/mockinu/back-end-development-and-apis

JAVASCRIPT ALGORITHMS AND DATA STRUCTURES
https://www.freecodecamp.org/certification/mockinu/javascript-algorithms-and-data-structures