Bogdan Barbu

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I always wondered what keeps the world running. That's why I chose computer engineering.

Education

TECHNICAL UNIVERSITY OF CLUJ-NAPOCA
- **Computer Science | September 2020 – July 2024**
  - Relevant Coursework: Data Structures and Algorithms, Logic Design, Digital Systems Design, Assembly Language Programming, Special Mathematics (probabilities & graphs), Linear Algebra.
  - Technical Skills: C (2yrs), JavaScript (2yrs), Assembly (1yr), Python (1yr), VHDL & Verilog, Git, Nodejs, Express, MySQL, Unity

Experience

WEB DEVELOPER | CREATIVE MOTION CL S.R.L | SEPTEMBER 2020 – PRESENT
- Designed frontend and backend solutions on a contract basis by creating a web application to meet the client's needs.
- Developed a multivendor marketplace for South African market using **WordPress**, **WooCommerce** and **Dokan**.
- Developed a ridesharing application for companies.
- Developed a business website for CREATIVE MOTION CL S.R.L which harvests information from JSON file. Technologies used: **HTML**, **CSS**, **JavaScript**, **jQuery**.

Projects

CRUZE | OCTOBER 2021 – PRRESENT
- Cruze is a ridesharing application designed for companies.
- Developed API endpoints for the rides.
- Designed an algorithm that recommends similar rides based on each user's last ride.
- Added push notification for mobile devices using Firebase Cloud Messaging
- Technologies used: **Typescript**, **NodeJS**, **MongoDB, Firebase, turfjs**

JAXI.CO.ZA | APRIL 2021 – SEPTEMBER 2021
- Jaxi.co.za is a multivendor marketplace for clothes. It was developed by me and the Creative Motion team for a South African client.
- Technologies used: **WordPress**, **WooCommerce**, **Dokan**.

ITWASNTME | DECEMBER 2019 – MAY 2020

· Personal project
· Created a platform where people around the world can publish their secrets anonymously. Anyone else can read them and leave a feedback.
· Technologies used: **HTML**, **CSS**, **JavaScript**, **NodeJS**, **Express**, **MySQL**, **jQuery**.

THE HUNTER MASTER! | MARCH 2018 – JULY 2018

· Personal project
· Developed a 3D Android game from scratch using **Unity 3D** and **MagicaVoxel**.

Awards

ESTIC 2019 | OVIDIUS UNIVERSITY CONSTANTA, ROMANIA

· Designed a physical automated chess board that can be controlled using the online app Lichess.
· Created the entire software that control the motors which moves the chess pieces, using **C++**.
· Designed, using a 3D editor software called **Creo Parametric**, all the parts needed for the mechanical system.
· Built the entire electrical circuit.
· Won 1st place.

POLIHACK V11.0 (2020) | TECHNICAL UNIVERSITY OF CLUJ-NAPOCA, ROMANIA

· Developed an online platform as a solution for the pandemic quarantine. This platform aims to connect the doctors, the patients, and the couriers.
· Technologies used: **HTML**, **CSS**, **JavaScript**, **jQuery**, **Nodejs**, **Express**, **MySQL**, **Git**, **Bcrypt**, **Passport.js**
· Won 2nd place.