ROMINA CARABA

SOFWARE ENGINEER

CONTACT

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SKILLS

Programming Languages: Python, Go, PHP, Javascript, JSON, CSS

Cloud Computing: AWS, GCP, Kafka

Frameworks/Tools: REST APIs, Swagger, Insomnia, WordPress, Tableau, Unix, Windows, MacOS, git, bash, Metashape, Codefresh

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EDUCATION

2019 • **Diploma in Data Science**, Brainstation, Toronto, Canada

2018 • **M.S. in Bioinformatics**, Technical University of Dresden, Germany

2015 • **B.S. in Physics**, West University of Timisoara, Romania

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REFERENCES

Available upon request.

WORK EXPERIENCE

Software Engineer (Contractor)

Rebuy Engine   April 2022 - Present

- Wrote code in PHP, Javascript, and CSS to solve customer tickets, and improve customer satisfaction by 20%. Designed, coded, debugged and documented the tickets. Improved functionality of existing product and prevented churn risk.
- Performed QA testing and automated testing using TestSigma suite. Developed QA testing plans. Identified bugs during QA testing and created triage tickets.

Backend Developer

Heliolytics   Nov 2021 - Mar 2022

- Wrote backend code in Python to automate image reconstruction and processing, speeding up by 50x image analysis and detecting anomalies; this resulted in eliminating human induced errors, and processing hundreds of images per minute instead of days.
- Identified gaps in the product-development lifecycle software testing; introduced the first automated testing; developed guidelines for testing.
- Deployed, customised and managed Docker containers using GCP and Codefresh.

Backend Developer (Contractor)

Starship Dreams   Nov 2020 - June 2021

- Saved over $200k/year by automating manual tasks for shipping related tasks.
- Developed API code in Go to scale from 500k to over 1 million users .
- Re-designed legacy database to speed up (100x) data mapping and processing.
- Deployed, customised, and managed Docker containers on AWS.

Owner, Web Developer

Minyum Labs   June 2020 - Present

- Created or improved online presence for small businesses and non-profits (e.g., regional art gallery, e-commerce businesses).
- Conducted front-end and back-end development, provided maintenance, support, website traffic analytics, SEO, and cloud deployment.

Machine Learning Developer (Contractor)

NovaceneAI   Mar 2020 - Nov 2020

- Cleaned and classified over 20K free-form answers from bilingual surveys, reduced data duplication (stop words, tokenization, etc.) using NLTK & pandas.
- Analyzed Canadian COVID-19 data and built predictive models for total number of cases for mid-2020.

Data Science Bootcamp Participant

Brainstation   Jun 2019 - Sep 2019

- Built neural network to predict presence of metastatic tissue in lymph nodes with an 83% accuracy.
- Automated breast cancer detection based on microscopic images, developed multiple AI models.

Hackathon Participant

Canadian Space Agency and NASA App Challenge   Nov 2019

- Won the Category for the Neutron Radiation part of the Challenge.
- Visualized and interpreted radiation data collected on the ISS during the missions of Canadian astronauts.