Illya Myshakov

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LINKS

🌐 illyamyshakov.com

🐙 github.com/IllyaMyshakov

in linkedin.com/in/illyamyshakov

SKILLS

LANGUAGES

Python	C#
C++	SQL
Javascript	C
Java	Bash
RAPID	

TOOLS AND TECHNOLOGIES

ASP.NET	MySQL
GCP	AWS
React	Angular
OpenCV	Node.js
Bootstrap	Android Studio

EDUCATION

UNIVERSITY OF WATERLOO

BASc in Computer Engineering

2017 - Present | Waterloo, ON

AWARDS

University of Waterloo President's Scholarship

July 2017

Global Citizenship and Community Action Award

May 2017

CERTIFICATION

The Complete Node.js Developer Course

Udemy • 2019

Angular 7 - The Complete Guide

Udemy • 2019

INTERESTS

Guitar

Cycling

Cross-country jogging

EXPERIENCE

TITANIUM AGENCY | Software Developer

September 2019 – December 2019 | Waterloo, ON

- Managed the entire development cycle of a **GCP** ad campaign automation service using **Python** and **Cloud Functions** to optimize budget and time allocation for content managers.
- Utilized service with **Cloud SQL** to build automation logging system for developers to achieve a better understanding of daily operation service interruptions.
- Introduced querying and UI improvements to company's **ASP.NET** Alert Console to reduce load times by 83%.

IMAGINE COMMUNICATIONS | QA Developer

January 2019 – April 2019 | Waterloo, ON

- Coded multiple automated tests using **Python** and the **Sharon** framework, which validated audio and video processing to match customer requirements.
- Optimized **RESTful** API calls in graphics related automation scripts, reducing average batch runtimes by 15-20%.
- Utilized **Bash** and **Microsoft Server VMs** to standardize test automation across varied channel systems.

SILFAB SOLAR INC | Production Operator

May 2018 – August 2018 | Mississauga, ON

- Wrote a **C++** program that collected and generated Excel files of daily production data for QA department to increase reporting time efficiency by 40-50%.
- Independently learned **RAPID** robot automation procedures and troubleshooting techniques via HMI control for application in assembly line processes.
- Ensured daily production of 100+ solar panels by maintaining supervision of machinery and collaborating with engineers.

PROJECTS

HEARTBEATS | Heart Rate Monitor

December 2019 – Present

- Created a **React Native** phone app that measures a user's heart rate from their left index finger with the phone's camera.
- Leveraged **OpenCV** and **AWS Lambda** to convert sampled frames into grayscale to compute its SSIM, establishing a heart rate.

SNAKE | Web Game

May 2019 – July 2019

- Recreated the game "Snake" using **React** and **Bootstrap** for ease of implementing game logic and graphics.