

Mykola Avramuk

Personal information

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Summary of Qualifications

4 years in software development
5 years in System Administration of TV channel infrastructure

Expertise

Test planning and strategy development
Functional and non-functional testing
Bash, Python
Playwright, Cypress, Postman
AWS: EC2, ECS, S3, Lambda, Route53, Api Gateway, CloudFormation, CodeBuild, CodePipeline
Terraform, Docker, Kubernetes, Ansible
Github Actions, Gitlab CI
Linux, Windows, macOS, Android, iOS
GStreamer, FFmpeg, vMix, LiveU, AWS Elemental Live
Github Projects, TestRail, Trello, Bitbucket
SDI and IP video transport, Oasys System
MPEG (2,4,HEVC) Video, SRT, Zixi, RTMP, HLS, WebRTC, NDI

Languages

English - intermediate
Ukrainian – native

Experience

DevOps Engineer
Serverless Graphics, Contract
Oct 2023 – Feb 2024
Responsibility: IaC for serverless service for generating Ad video graphics and insertion into streams
Technology: CloudFormation, Lambda, ECS, Fargate, Docker, Bash, Python, Ffmpeg, HLS

DevOps Engineer
Cyber Regiment, Volunteer
Sep 2022 – Present
Responsibility: IaC for NEST.JS application with GitlabCI
Technology: Nest, Typescript, Bash, Gitlab CI

QA Engineer
[Mixa.live](https://mixa.live), Contract
Mar 2022 – Present
QA: Full QA process of SDLC for the cloud video switcher
DevOps: Fully migration to another AWS account.
Technology: Live Video Streaming, Linux, Web, SRT, RTMP, Zixi, Terraform

QA Engineer & Project Manager

[VVCR](#), Contract

Jul 2020 – Present

Responsibility: Full QA process from scratch of cloud-based virtual video control room system (VVCR). Managing SDLC in the team of 4 people

Technology: Scrum, Test Planning, System Testing, Regression Testing, Live Video Streaming, API Testing, Manual Testing, Test Automation

QA Engineer

[RIVET](#), Contract

Jul 2020 - Present

Responsibility:

Full QA process from scratch of Broadcast Tools (Windows, macOS, iOS, Android) and Platform (web) for Remote Streaming via SRT Protocols.

Technology: Test Planning, System Testing, Regression Testing, Live Video Streaming, API Testing, Manual Testing, Test Automation

Video Streaming Engineer

[1+1 MEDIA](#), Shift-time

Aug 2018 - Jul 2020

Responsibility: Live video streaming, Installation and support of devices and applications for broadcasts

Technology: AWS Elemental Live, LiveU Central, vMix, OBS, FFmpeg, RTMP, HLS, UDP

Broadcasting Automation Engineer

TV channel, Shift-time

Mar 2020 - Jun 2021

Responsibility: Servers Administering for Video Content Delivery pipeline for post production

Technology: Windows Server, Linux, MacOS, Avid Technology Products

IT Support Engineer

TV channel, Shift-time

Feb 2018 - May 2020

Responsibility: Technical Support

Technology: Windows, MacOS, Linux, Avid Technology Products

Broadcast Specialist

TV channel, Shift-time

Sep 2016 - Feb 2018

Responsibility: Broadcast quality control, planning of the broadcast grid, quick response to any problems in the final broadcast signal

Technology: Oasys Air System, Broadcasting, Television

Educational background

National Technical University of Ukraine “Kyiv Polytechnic Institute”

Master's degree, Intellectual technologies of microsystem radio-electronic equipment

Sep 2017 - Sep 2018

National Technical University of Ukraine “Kyiv Polytechnic Institute”

Bachelor's degree, Telecommunications and radio engineering

Sep 2013 - Aug 2017