**Mykola** **Avramuk**

**Personal** **information**

Date of birth: 16.12.1995

Home: Ukraine

Location: Spain

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Website: [avramukk.com](https://avramukk.com/)

### Short summary

4 years in software development

5 years in System Administration of TV channel infrastructure

**Expertise**

- AWS: EC2, ECS, S3, Lambda, Route53, Api Gateway - Advanced

- IaC: Terraform, Cloudformation - Intermediate

- CI/CD: CodeBuild, CodePipeline - Intermediate

- Linux, Docker - Advanced

- Kubernetes, ArgoCD, Helm, Ansible - Novice

- Scripting: Bash, Python, Go - Novice

- Windows, macOS, Android, iOS - Intermediate

- Postman - Advanced

- vMix, OBS, LiveU, AWS Elemental Live

- Github Projects, TestRail

- SDI and IP video transport, Oasys System

- MPEG Video, SRT, Zixi, RTMP, HLS, WebRTC, NDI, FFmpeg, Gstreamer

**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](https://www.cyber-regiment.com.ua/), Volunteer  
Sep 2022 – Present

Responsibility: IaC for NEST.JS application with GitlabCI

Technology: Nest, Typescript, Bash, Gitlab CI

QA Engineer / DevOps  
[Mixa.live](https://mixa.live/), Contract  
Mar 2022 – Present

QA: Full QA process of SDLC for the cloud video switcher  
DevOps: Fully infra migration to another AWS account with Terraform and maintaining  
Technology: Live Video Streaming, Linux, Web, SRT, RTMP, Zixi, Terraform

QA Engineer & Project Manager  
[VVCR](https://vvcr.tv/), 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](https://rivet.stream/), Contract  
Jul 2020 – Mar 2022  
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](https://media.1plus1.ua/), 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