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

- 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 - Novice
- Windows, macOS, Android, iOS - Intermediate
- Playwright, Cypress - Novice
- Postman - Advanced
- vMix, OBS, LiveU, AWS Elwemental 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, Volunteer
Sep 2022 – Present
Responsibility: IaC for NEST.JS application with GitlabCI
Technology: Nest, Typescript, Bash, Gitlab CI

QA Engineer / DevOps
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, 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 – 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, 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