Mykola Avramuk

Personal information

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Summary

I am a DevOps Engineer with **over 5 years** in system administration and **4 years** in development and cloud computing. Proficient in managing Linux environments, implementing CI/CD pipelines, IaC, automating tasks using Bash and Python. Skilled in containerization with Docker. Currently deep dive in GitOps and Kubernetes. Strong expertise in AWS and the streaming domain.

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

Experience

DevOps Engineer | Serverless Graphics Module | Team in UA | Contract
Oct 2023 – Feb 2024
Responsibility: IaC for serverless service for generating Ad video graphics and insertion into HLS chunks. CI/CD with CodeBuild, CodePipeline. Testing and maintaining project.
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. Pentest and OSINT tasks.
Technology: Nest, Typescript, Bash, Gitlab CI, Kali Linux

QA Engineer / DevOps | Mixa.live | Team in UA | 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, Lambda

QA Engineer & Project Manager | VVCR | Team in UA | Contract
Jul 2020 – Present
Responsibility: Full QA process from scratch of cloud-based virtual video control room system (VVCR). Test Planning, API Testing, Manual Testing.

Managing SDLC in a team of 4 people
Technology: Scrum, Live Video Streaming, Postman, Playwright, AWS, Bash

QA Engineer | [RIVET](#) | [Team in UA](#) | 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 Protocol.
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, FFmpeg, RTMP, HLS, UDP

Broadcasting Automation Engineer | TV channel | Shift time
Mar 2020 - Jun 2021
Responsibility: Servers Administering for TV channel Video Content Delivery pipeline (50+
servers)
Technology: Windows Server, Linux, MacOS, Avid Technology Products

IT Support Engineer | TV channel | Shift time
Feb 2018 - May 2020
Responsibility: Technical Support, Setup and Maintenance of new servers and workstations
Technology: Technical Support, Avid Technology Products, Windows, Linux, macOS,
Active Directory
Achievements: Initiated and implemented monitoring of client machines via Zabbix,
Implemented remote technical support for client machines via VNC

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, Avid Technology Products, SDI, Windows Server

Education

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

Languages

English - intermediate
Ukrainian – native