

MD. AMINUL ISLAM

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PROFESSIONAL SUMMARY: Broadcast Engineering and IT Operations leader with 20+ years of experience ensuring 24/7 uptime for major television networks. Expert in media automation systems (AVECO, Harris, Imagine) with proven success optimizing broadcast operations and system reliability. Recently completed 300+ hours of intensive Python programming, developing automation scripts to streamline broadcast workflows and enhance operational efficiency. Seeking to leverage deep media expertise with advanced programming skills to deliver scalable, automation-driven solutions.

TECHNICAL SKILLS

- Programming: Python, HTML, Bash Scripting.
- Version Control & IDEs: Git, GitHub, VS Code, PyCharm.
- Operating Systems: Linux, Windows Server, macOS.
- Broadcast Systems: AVECO, Harris ADC, Imagine D-Series/Selenio.
- Tools: OBS Studio, FFMPEG, API Integration.
- Core Competencies: Media play-out operations, system integration, troubleshooting, network diagnostics, team leadership, workflow automation.

PROFESSIONAL EXPERIENCE:

- Senior Executive, Broadcast Engineering Operations & IT
Nagorik Television, Dhaka, Bangladesh | Apr 2017 - Aug 2024
- Managed live transmission operations using Imagine Automation System, ensuring uninterrupted 24/7 broadcasting.
- Resolved on-air technical issues in real-time, maintaining 99.9% channel uptime.
- Implemented Python scripts to automate routine broadcast workflows, reducing manual intervention. by 40%
- Conducted system health checks and preventive maintenance to ensure optimal performance.
- Senior Executive, "Ingest" Broadcast Operations & Engineering
Boishakhi Media Ltd., Dhaka, Bangladesh | Jan 2010 - Sep 2015
- Operated Harris Automation System for transmission and content play-out.
- Optimized broadcast efficiency through automated workflow processes and content scheduling.
- Managed content ingest operations and quality control procedures, improving broadcast quality by 25%
- Coordinated with production teams to ensure seamless content.

➤ Head of Broadcast & Technical Operations

1-TV Media, Kabul, Afghanistan | Oct 2013 - Apr 2014

- Directed all technical operations and system management for stable broadcast transmission.
- Led and mentored technical team to achieve operational excellence and reliability.
- Implemented standardized operating procedures that improved system reliability by 30%

➤ Senior Executive, Broadcast Operations & Engineering

Diganta Media Ltd., Dhaka, Bangladesh | Jan 2008 - Dec 2009

- Managed play-out and server functions using AVECO Automation System.
- Handled content ingest, quality control, and server-side operations.
- Maintained broadcast servers and troubleshooting technical issues.

➤ Executive, Broadcast Operations & Engineering

Bangla Vision, Dhaka, Bangladesh | Sep 2005 - Dec 2007

- Operated and maintained AVECO automation play-out servers.
- Collaborated with cross-functional teams to ensure seamless broadcast operations.
- Assisted in system upgrades and maintenance activities.

TECHNICAL PROJECTS

➤ **Broadcast Automation Integration Script.**

- ✓ Developed Python scripts to automate content scheduling, file transfers, and system health checks.
- ✓ Reduced manual intervention by 40%, minimizing operational errors and improving uptime.
- ✓ Integrated with broadcast system APIs to enhance workflow efficiency.

➤ **Log Monitoring and Alerting Tool.**

- ✓ Created Python-based log analyser using regex parsing to detect system anomalies.
- ✓ Implemented scheduled scans for proactive maintenance, reducing downtime by 25%.
- ✓ Generated concise alert reports for faster issue identification.

➤ **Network Diagnostics Utility.**

- ✓ Built CLI tools combining Python and Bash for network diagnostics in broadcast environments.
- ✓ Improved troubleshooting workflows for technical support teams.
- ✓ Enhanced network reliability through proactive issue detection.

EDUCATION & CERTIFICATIONS

- ❖ MSS in Social Welfare | National University, Gazipur | 2000
- ❖ Higher Diploma in Computer Science & Engineering | Bangladesh Technical Education Board | 2005
- ❖ Python Programming Certification | Udemy & Coursera | 2024
- ❖ Broadcast Automation Certification | NIMC | 2010

LANGUAGES

- Bengali: Native.
- English: Professional Proficiency.
- Hindi: Basic.