

# AMINUL ISLAM

**\*20+ Years Broadcast Engineering & IT Operations | Broadcast Automation Specialist | Python Developer | Bridging Media & Technology\***

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## PROFESSIONAL SUMMARY

Versatile Broadcast Engineering and IT Operations leader with 20+ years ensuring uninterrupted 24/7 channel uptime for major television networks. Expert in managing media automation and Playout systems, including AVECO, Harris, and Imagine, with proven success optimizing operations and system reliability.

Completed 300+ hours of Python training via Udemy and Coursera, creating automation scripts for content scheduling, file transfers, and system monitoring. Passionate about leveraging media workflow expertise with advanced programming skills to deliver scalable, automation-driven solutions that improve broadcast performance and operational efficiency.

## TECHNICAL SKILLS

- \* Programming Languages: Python, HTML, Bash.
- \* Libraries & Tools: pandas, openpyxl, pathlib, subprocess, logging, OS scripting.
- \* Version Control & IDEs: Git, GitHub, VS Code, PyCharm (Community Edition)
- \* Operating Systems: Linux, Windows Server, macOS.
- \* Broadcast Systems: AVECO, Harris ADC, Imagine D-Series / Selenio.
- \* Utilities & Tools: OBS Studio, FFmpeg.
- \* Core Competencies: Media Playout operations, system integration, troubleshooting, networking, process automation.

## WORK EXPERIENCE

### Senior Executive Ingest – Broadcast Engineering Operations & IT.

Nagorik Television, Dhaka, Bangladesh — Apr 2017 to Aug 2024

- \* Orchestrated live transmission operations for a 24/7 broadcast channel using Imagine Automation System, achieving 99.9% on-air availability.
- \* Developed Python automation scripts for content scheduling, file transfers, and system health checks, reducing manual intervention by 70%.

### Senior Executive – Broadcast Operations & Engineering.

Boishakhi Media Ltd., Dhaka, Bangladesh — Jan 2010 to Sep 2015

- \* Managed broadcast content Playout and automation workflows via the Harris Automation System, ensuring seamless daily transmission.
- \* Developed and implemented Python/Bash scripts to automate content ingest and scheduling, improving operational efficiency by 30% and reducing manual errors.

### Head of Broadcast & Technical Operations.

1-TV Media, Kabul, Afghanistan — Oct 2013 to Apr 2014

- \* Directed all broadcast engineering and automation operations, guaranteeing stable 24/7 transmission in a high-stakes environment.
- \* Mentored and trained a team of 5+ technical staff in media automation best practices, slashing on-air errors by 20%.

## **Senior Executive, Ingest & MCR-Broadcast Engineering Operations.**

Diganta Media Ltd., Dhaka, Bangladesh — Jan 2008 to Dec 2009

- \* Managed AVECO automation servers, content ingest, and workflow automation scripts, ensuring error-free Playout and high broadcast standards.

## **Executive Ingest- Broadcast Operations & Engineering**

Bangla Vision, Dhaka, Bangladesh — Sep 2005 to Dec 2007

- \* Operated and maintained AVECO automation servers; developed small Python scripts for file management and content ingest, ensuring seamless broadcasting operations.
- \* Collaborated with IT and technical teams to improve operational workflows and reduce downtime.

## **System Engineer & Customer Support Executive**

Speed Technology & Engineering Ltd., Dhaka, Bangladesh — Jul 2003 to Jun 2005

- \* Installed IT systems and provided end-user support for retail and corporate clients.

## **Senior Manager – Communication**

BRAC, Dhaka, Bangladesh — Jul 2000 to Jun 2003

- \* Produced communication materials and coordinated media with IDP, UNDP, UNICEF, and internal departments.

## **PROJECTS**

### **Broadcast Automation Integration Script**

- \* Automated workflows including scheduling, file transfers, and system health checks using Python.
- \* Reduced operational errors by 70%; improved uptime.

### **Log Monitoring & Alerting Tool**

- \* Python-based log analyzer with regex parsing and scheduled scans.
- \* Improved issue detection speed, reducing downtime by 50%.

### **Network Diagnostics Utility for Broadcast IT**

- \* CLI tools with Python/Bash for network diagnostics and bandwidth monitoring.
- \* Enhanced network reliability and early issue detection.

## **EDUCATION**

- \* MSS in Social Welfare — National University, Gazipur, Dhaka, Bangladesh, 2000 |
- \* Higher Diploma in Computer Science & Engineering — (BTEB), Dhaka, 2005

## **CERTIFICATIONS**

- \* Python Programming (300+ Hours) — Udemy & Coursera, 2024
- \* Broadcast Engineering & Automation — NIMC, 2010 (Dhaka, Bangladesh)
- \* Communication Training — BRAC, 2000 (BRAC Training and Resource Centre, Pabna, Bangladesh)

## **LANGUAGES**

- \* Bengali: Native
- \* English: Professional proficiency
- \* Hindi: Basic