Sudhanshu Sunil Suryavanshi

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PROFESSIONAL EXPERIENCE

Jio Platforms Limited, *Video Headend Engineer*   10/2025 | Navi Mumbai, India

- Working across the OTT Video Headend ecosystem, managing the configuration and operational workflows for 1000+ linear TV channels on JioTV and JioTV+ platforms, including Live, VOD, HLS, and DVR services.
- Hands-on experience with Broadpeak BKS350/BKS400 packagers for channel creation, updation, migration, and end-to-end delivery pipeline configuration.
- Proficient in Linux/RHEL server installation and administration, including system-level troubleshooting, log analysis, and service monitoring in production environments.
- Implemented DRM encryption workflows using FairPlay and Widevine, configuring key proxy servers, cipher servers, CPix payloads, crypto periods, and license acquisition URLs for secure content delivery.
- Involved in solution architecture design for OTT workflows, covering: Origin Servers, Packager Layer, Shield/Cache Layer, Media Load Balancers, CDN Integration (Akamai CDN, Broadpeak CDN, and Jio CDN)
- Performed CMS configuration for channel publishing, metadata updates, URL activation, and platform onboarding for JioTV/JioTV+ services.
- Strong understanding of complete Headend workflows, including source acquisition, IRD operations, encoding, multiplexing, and content distribution.
- Experience working with Ateme TITAN Live, TITAN Edge, and TITAN MUX for:
- Live encoding profiles (H.264/H.265), ABR ladder creation, SCTE-35 marker pass-through, PID-level stream manipulation, Redundancy and failover workflows, Coordinated operational activities across ingest, encoding, packaging, caching, CDN, playback, and client-side validation, ensuring stable channel performance and platform reliability.
- Experienced in troubleshooting HLS/DASH playback, DRM failures, SCTE marker issues, HTTP 404/403/500 errors, and cache inconsistencies across Broadpeak and CDN layers.
- Contributed to platform improvements through monitoring workflows, SOP creation, automation insights, and recurring incident analysis.

Skandha Media Services Pvt Ltd, *Video Engineer - LiveOps*   06/2024 – present | Mumbai, India

- Investigated and implemented new techniques and equipment, focusing on encoding/transcoding, VOD, and OTT delivery for platform enhancement.
- Created end-to-end Project Architectures based on project requirements.
- Managed live events and made real-time changes as per client requests.
- Configured playout systems based on customer requirements.
- Managed and executed live stream workflows, including encoding, transcoding, storage, delivery, and content protection for Banglalink, Sony Live, and Jio Cinema platforms.
- Handled the streaming setup for multiple clients, including Jio Cinema, Sony Live, Fan Code, and Banglalink.

OTT (Sony Live)- CWG/Australian Open/FIFA

- **OS:** Windows

- **Tools:** Origin Server (ATEME), CloudWatch, EC2, Media Connect, Media Live, Media Packager, Akamai CDN.

OTT (Bangladesh) - Streaming on the customer's Toffee app
- **OS:** Windows and Linux

  Tools: Origin Server (Cloud Storage), SRT Gateway   Monitoring, Compute Engine, Ateme, Media CDN.

POC for multiple clients:
- Managed the architecture workflow, monitored the workflow, and troubleshoot errors.

Deployment at Jiostar
- Customized and deployed broadcast playout software to support dynamic live event workflows and optimized content delivery pipelines.

Designed and implemented AWS-based media workflows, including:
- EC2 configuration and optimization for broadcast and streaming workloads.
- S3 bucket setup and access control for storing, organizing, and retrieving media assets.
- MediaConnect and MediaLive integration for end-to-end live feed patching and secure media transport.
- Developed automated series activation processes using AWS services, significantly reducing manual effort in live broadcast scheduling.

Configured and maintained CDN endpoints, specifically:
- Akamai endpoint integration for optimized stream delivery.
- Worked with SSAI (Server-Side Ad Insertion) and non-SSAI profiles, managing complex media encoding setups including video/audio codecs and multiple resolutions.

Hotstar CMS:
- Managed series and episode activation, event scheduling, and metadata entry.
- Configured encoder profiles and media pipelines for consistent stream quality.
- Conducted Audio QC using Aurora Telestream tools on episodic/live content for quality assurance and compliance with domain-specific requirements.(EX.Hulu)

Issue Tracking & LiveOps Support:
- Handled real-time operational issues via Atlassian JIRA, ensuring minimal downtime through quick resolution and proactive troubleshooting.
- Managed and updated documentation for system configurations, workflows, and issue logs using Excel and internal tools.
- Communicated effectively with engineering teams, support   teams, and clients to coordinate and clients to coordinate live events, resolve issues, and ensure timely delivery

Skandha Media Services Pvt Ltd,   11/2023 – 05/2024 | Mumbai, India
Executive - Digital Operations
- Developed and executed successful social media campaigns across multiple platforms to increase brand awareness and drive traffic to the company's website.
- Live streaming playout software with global sport events using IP configurations and AWS cloud computing services.
- Broadcasting live sport events with proper networking management on all OTT platforms,AOS, IOS, CTV and UHD streams.
- Operations based on log amendments of the streams executed.

TECHNICAL SKILLS

End-to-End OTT | Cloud Technology - AWS (Amazon Web Services), GCP (Google Cloud Platform) | Customized Playout | SCTE 35/104, SSAI (Server-Side Ad Insertion) | Live Streaming | Video Compression and Transcoding | CDN (Content Delivery Network) - Akamai, CloudFront, Media CDN.

EDUCATION

Ramnarain Ruia Jr. college, *Higher Secondary*   08/2017 – 02/2019 | Mumbai, India

St. Francis Xavier's High School, *Junior Secondary*   06/2007 – 04/2017 | Mumbai, India
Science and Mathematics

A. P. Shah Institute of Technology, Mumbai university   08/2019 – 05/2023 | Thane, India
Bachelor of Engineering, Electronics and Telecommunications

ACADEMIC PROJECTS

Autonomous Fire Fighting Robot   2023
- Using Arduino Uno, I worked on alignment of hardware components. While working on ideas on how to present our project creatively.
- During this project I came across obstacles and experienced the importance of being a team leader.

Home Automation using TinkerCAD   2021
- I designed the architecture of our project using various functions and components of TinkerCAD.
- Coding was done with the help of GitHub and C language.
- In this project I communicated with my team members through a virtual platform honing my communications skills.

COURSES & CERTIFICATIONS

AI & Ml Virtual Internship, *AICTE NEAT*
Certified AICTE member for Acadamical credits.

Introduction to Cloud 101 & Machine learning Foundations, *AWS Educate*
Executed AWS resources in AWS console with the help of the Following course.

OCI foundations professional Certificate, *Oracle*
Oracle Cloud Infrastructure architecture understanding with Hands-on lab experience.

Media & Entertainment: Direct to Consumer and Broadcast Foundations - Knowledge Badge Readiness Path, *AWS*
Completed all the intermediate level course based on AWS Media Services in this Professiona;

ORGANISATIONS

A. P Shah Institute of Technology,   09/2019 – 03/2022 | Thane, India
Training and Placement Coordinator
- Facilitating campus recruitment drives and industry interactions.
- Actively coordinated between students and recruiters to enhance placement opportunities and skill-building initiatives.

A. P Shah Institute of Technology,   12/2023 | Thane, India
Event Management Head
- led planning and execution of college-wide events, coordinating teams, logistics, and creative direction.
- Successfully managed multiple technical and cultural fests, ensuring smooth operations and high student engagement.

A. P Shah Institute of Technology, *Publicity Coordinator*   12/2019 | Thane, India
- Leading promotional campaigns and managing outreach for college events.
- Effectively increased event visibility through social media, print, and on-campus communication strategies.

LANGUAGES

Marathi, English, Hindi