

TEJASWI MULAGADA

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SUMMARY

Experienced **Technical Program Manager, Broadcast Technology Specialist** and Engineering Professional with 10+ years in software development, AI driven solutions, cloud technologies (AWS, Azure), and IP-based broadcast systems. Expert in Agile, Scrum, CI/CD, and **SMPTE ST 2110 workflows**, driving cross-functional teams to deliver compliant, efficient media infrastructures. Proven leader in strategic planning, risk assessment and integrations across industries including healthcare, retail, fintech and broadcast clients like **YES Network, NBC, and Fox Sports**. Strong expertise in automation and AI-driven solutions to enhance operational efficiency. **PMP Certified**, with a focus on automation, technical consulting, and innovation in broadcast engineering to enhance operational efficiency and revenue growth.

RESEARCH & PUBLICATIONS

- Presented "**Leveraging Multi-Agent AI for SMPTE ST 2110 Workflows**" at SMPTE Media Technology Summit 2025, Pasadena, CA, automating latency and integration in broadcast infrastructure (scheduled for May 2026 publication in SMPTE Motion Imaging Journal).
- Reviewer of chapters & Contributed chapter on AI in broadcast technology to upcoming book "**Transforming Media Production in the AI Era**" edited by Professor Elsir Ali Saad Mohamed, focusing on scalability in ST 2110 standards.
- Reviewed multiple papers as **Board of Editor** for **SMPTE (Society of Motion Picture and Television Engineers) Motion Imaging Journal**.

VOLUNTEER & COMMUNITY LEADERSHIP

- **CS Teaching Assistant** for Unity Prep Charter High school Brooklyn.
- Active **Judge & Mentor** for NYCSEF, FTC NY/NJ, George Washington Carver Science Fair, Temple University College of Science & Technology.

PROFESSIONAL LEADERSHIP & EXPERIENCE

Director of Program Management and Business Development | New York, NY | Aug 2025 - Present

- Led operational and program management for a dynamic creative firm, implementing AI-driven automation tools to streamline team workflows, reduce project bottlenecks by 30%, and enhance cross-functional collaboration in fast-paced environments.
- Directed sales growth initiatives, including MBE deal sourcing and strategic partnerships, securing key contracts that expanded revenue by 25% while aligning with minority-owned business objectives and market expansion goals.
- Orchestrated project and growth strategies, leveraging Agile methodologies and data analytics to optimize resource allocation, improve client onboarding efficiency by 20%, and foster innovation in creative services delivery.

Board of Editors Member & Project Lead for Education Workflow Automation | SMPTE | New York, NY | Dec 2025 - Present

- Spearheaded the Education Workflow Automation project, designing AI-powered tools to streamline content creation and distribution processes, reducing administrative overhead by 35% and accelerating knowledge dissemination across global SMPTE chapters.
- Reviewed and edited high-impact articles for the SMPTE Motion Imaging Journal as a Board of Editors

member, fostering innovation in broadcast standards by evaluating submissions on emerging technologies like **IP networking** and **AI integrations**.

- Collaborated with industry leaders to automate educational initiatives, implementing scalable workflows that enhanced member engagement and training efficiency, resulting in a 25% increase in program participation and feedback scores.
- Championed thought leadership by leading panels and contributing to policy development, positioning SMPTE as a frontrunner in AI-driven media education and generating new collaborative opportunities with broadcast giants.

Technical Program Manager / Growth Strategist | Alphacord Media Group | New York, NY | July 2024 - Dec 2025

- Directed enterprise-wide IT strategy and program execution in broadcast media, managing cross-functional teams, vendor negotiations, and partner integrations to deploy SMPTE ST 2110-compliant systems.
- Streamlined operations and enhanced visibility by designing and automating workflows in Monday.com, integrating with Slack, JIRA, Google Suite, and custom webhooks, reducing manual tasks by 40%.
- Led integration programs for clients including YES Network and NBC, collaborating with partners like Fox Sports, Quest, and SMPTE to implement IP-based broadcast infrastructure, ensuring compliance with Layer 3 networking and multicast workflows.
- Orchestrated IT modernization initiatives, consolidating tools into a unified architecture, boosting team productivity by 25% and improving client onboarding timelines by 30%.
- Forged strategic partnerships with SMPTE, enabling first-mover advantages in emerging standards and contributing to new revenue-generating collaborations in media technology.
- Provided technical consulting and conceptual design support for sales teams, tailoring demos and solutions for broadcast environments.

Lead Consultant | DTCC | New York, NY | February 2023 - July 2024

- Spearheaded generative AI integrations and advised enterprise clients on digital transformations using AI and cloud solutions, enhancing feature ideation, accuracy, innovation, and operational efficiency by 25%.
- Engineered scalable CI/CD pipelines with Jenkins and Kubernetes, reducing delivery times by 50%; developed real-time dashboards using Power BI and Splunk for actionable performance insights.
- Led RPA initiatives to streamline data verification and workflows, yielding 35% processing speed increase; mentored junior engineers on automation best practices and AI-driven testing approaches.

Solutions Consultant / Sales Engineer | LivePerson | New York, NY | January 2022 - January 2023

- Architected AI-enhanced chatbot presentations and refined machine learning pipelines, boosting client acquisition by 15% and user interaction quality by 25%; applied JIRA automation to decrease integration time by 20%.
- Designed interactive AI training modules to enhance team competency and customer interaction strategies; integrated client feedback into product development cycles, contributing to 30% improvement in feature adoption and satisfaction.
- Secured \$2 million in enterprise deals by tailoring technical demonstrations to align with client-specific requirements and strategic goals.

Technical Project Manager/ Senior SE | Oracle Cerner Corporation | Jan 2021 - Jan 2022

- Led cross-disciplinary teams using Agile methodologies, instituting sprint retrospectives, planning sessions, and user story refinement with product managers to deliver scalable solutions, accelerating productivity by 25%, improving sprint efficiency by 20%, and enhancing delivery by 15%.
- Architected robust microservices for healthcare applications with Spring Boot, optimizing cloud infrastructure on AWS and Azure for continuous improvements, increasing system reliability by 20%.
- Engineered custom API integrations and implemented project monitoring tools to boost system interoperability, client satisfaction, and stakeholder communication in healthcare IT deployments.

Software Engineer | Oracle Cerner Corporation | Malvern, PA | May 2017 - December 2020

- Spearheaded over five projects on **EHR system integration**, utilizing automation tools to enhance workflow efficiency by 30%.
- Collaborated with **healthcare stakeholders** to tailor software applications, optimizing healthcare delivery and patient outcomes using stakeholder input.
- Crafted comprehensive **project roadmaps** and **strategic planning** documents, employing **Confluence** to enhance **team alignment** and project clarity. Implemented **cloud-based** solutions (AWS, Azure) to enhance system performance.
- Established seamless integrations among development, QA, and infrastructure teams via Agile methodologies, optimizing software with RESTful APIs to enhance workflow by 15% and boost data management speed by 25%.

Software Developer | Hy-Vee Inc. | Iowa, USA | February 2016 - April 2017

- Leveraged **SQL Server** to optimize data retrieval and storage mechanisms, supporting increased application efficiency and user engagement.
- Implemented **APIs** with seamless data synchronization, leveraging **Integration API management** tools. Architected new code evaluation procedures utilizing static analysis tools, refining code quality and minimizing **security vulnerabilities**.
- Engineered robust web applications using React and Node.js, while streamlining release management and budget allocation to reduce post-release issues, boost system resilience, and optimize development efficiency with real-time reporting capabilities.

EDUCATION

M.S. in computer science | Northern Illinois University | Dekalb, IL | Dec 2015

B-Tech in computer science | JNTU, Hyderabad, India | Hyderabad, India | 2014

CERTIFICATIONS

- SMPTE ST 2110 Professional (IP Networking for ST 2110 Workflows) | SMPTE | Certified July 2025
- SMPTE Media in Cloud | SMPTE | Certified Dec 2025
- Project Management Professional (PMP) | Feb 2025
- Workato Automation Pro I & II | Workato | 2022
- ICAgile Certification | ICAgile | Active since 2017

SKILLS

Soft Skills: Technical Project Management, Stakeholder Management, Risk Assessment, Strategic Planning, Communication, Leadership, Team Collaboration, Cross-Functional Team Management, Problem-Solving, Process Optimization

Technical Skills: Broadcast System Integration, SMPTE ST 2110, IP Networking, Layer 3 Networking, Multicast Workflows, Cloud Solutions (AWS, Azure), AI Solutions, NLP, Machine Learning, Python, Linux, Kubernetes, Docker, Ansible, CI/CD, Jenkins, Microservices, RPA, DevOps, Power BI, JIRA, Confluence, SQL Server, React, Node.js, Spring Boot, RESTful APIs.