

Zayd Willis

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SUMMARY

Technical projects and **live production engineering** manager with nine years of experience delivering broadcast systems, remote production capabilities, and venue technology from requirements through commissioning. Hands on work covers ST 2110, JPEG XS, **IP video infrastructure**, RF and **wireless camera systems**, transmission, field integration, and event operations. Converts architecture into **technical specifications**, equipment lists, build calendars, field tests, integration plans, and launch milestones. Coordinates engineering, vendors, procurement, logistics, information security, production operations, and union crews across demanding sports schedules. Leads project teams, surfaces schedule risk, closes dependencies, documents standards exceptions, and tracks security remediation through resolution. Communicates concise status reports that clarify ownership, decisions, dates, and delivery risk across complex live event portfolios.

EXPERIENCE

Technical Projects Manager

July 2023 - Present

Harborline Broadcast Engineering

Long Beach, CA

Directs venue and remote production technology portfolios from requirements through commissioning. Owns milestone governance, dependency visibility, field integration, vendor follow through, security remediation, and executive reporting across live event initiatives.

- Directed venue deployments with owners, **milestones**, **dependencies**, and commissioning criteria for live events.
- Converted architecture into **ST 2110** specifications and **build calendars**, giving logistics realistic lead time.
- Led wireless camera and RF field tests, driving vendor corrections before scheduled air dates.
- Established portfolio reporting for schedule risk, decisions, exceptions, shipments, and escalations.
- Tracked **information security** findings through closure within approved security architecture and operating controls.
- Coordinated capital upgrades across **integration**, transmission, operations, procurement, vendors, and union crews.

Senior Broadcast Systems Engineer

March 2021 - June 2023

Pacific Signal Works

Anaheim, CA

Led technical workstreams for remote production upgrades across IP video routing, contribution transmission, control interfaces, and venue connectivity. Mentored engineers while managing testing, vendor readiness, deployment schedules, and standards decisions for recurring sports and entertainment events.

- Led remote production upgrades across routing, **transmission**, control interfaces, and venue connectivity.
- Built ST 2110 signal flows and **JPEG XS** test plans, validating interoperability before production use.
- Coordinated **RF** vendors through surveys, frequency planning, readiness checks, and acceptance testing.
- Linked **equipment lists** with **procurement** lead times, preventing late substitutions from creating delivery risk.
- Mentored four engineers on test records, escalation practice, and **engineering standards** compliance.
- Logged design exceptions with rationale and impact, routing decisions to architecture owners.

Broadcast Systems Engineer

August 2019 - February 2021

Westgate Live Productions

Pasadena, CA

Engineered remote production systems for live sports and supported field delivery across venue feeds, transmission paths, intercom dependencies, monitoring, and **IP video infrastructure**. Maintained clear project records while coordinating vendors, union crews, operations, and senior engineering stakeholders.

- Engineered remote production systems integrating venue feeds, transmission, intercom, monitoring, and IP video.
- Validated camera and transport systems through lab tests and structured on site acceptance checks.
- Prepared drawings, equipment requirements, and implementation notes for coordinated field handoffs.
- Managed vendor action lists after rehearsals, assigning dates and recording closure evidence.
- Supported nights, weekends, holidays, and **travel** heavy **event schedules** with union production crews.
- Maintained incident records that freed senior engineers for architecture decisions during live operations.

Associate Broadcast Engineer

June 2017 - July 2019

Coastal Media Services

San Diego, CA

Supported installation, configuration, testing, and event operation for broadcast video, RF camera, transmission, and early IP production systems. Prepared deployment records, coordinated equipment movement, and escalated design issues under senior engineering direction.

- Supported broadcast video, RF camera, transmission, and IP production systems under senior direction.
- Prepared rack elevations, cable schedules, inventories, and test records for venue deployments.
- Performed signal path testing during rehearsals, escalating design issues with reproducible evidence.
- Coordinated equipment movement and vendor returns against **shipping** and event calendars.
- Documented configuration baselines and field changes for repeatable approved production setups.

- Built crew confidence through dependable event support and clear written technical handoffs.

PROJECTS

Remote Production Interoperability Program 📅 2024

A stubborn interoperability issue surfaced late during a production test. Built repeatable ST 2110 and JPEG XS validation steps with integration partners, clarifying signal behavior, acceptance evidence, and readiness decisions before service entry.

Venue Wireless Camera Readiness Initiative 📅 2022

A camera package arrived with little room for rework. Coordinated RF surveys, vendor readiness, frequency inputs, acceptance testing, and corrective actions, giving production crews a dependable path into event operations.

LEADERSHIP & AWARDS

- Recognized by engineering leadership for dependable delivery across complex live production technology deployments.
- Selected to mentor four engineers and technicians on testing, escalation, documentation, and standards compliance.
- Trusted with recurring sports schedules requiring travel, nights, weekends, holidays, and union crew coordination.

EDUCATION

Bachelor of Science in Electrical Engineering

San Diego State University GPA: 0

2017

San Diego, CA

Coursework: IP video systems, wireless communications, signal processing, systems integration

CERTIFICATIONS

- SMPTE ST 2110 Professional Development Coursework 📅 2024
- Dante Certification Level 2 📅 2023

TECHNICAL SKILLS

- **IP Video Standards:** ST 2110, JPEG XS, IP video
- **RF and Wireless Systems:** RF systems, wireless cameras, frequency planning
- **Transmission Systems:** Contribution transmission, venue transmission, transport systems
- **Remote Production:** Remote production, venue feeds, production interfaces
- **Systems Integration:** Signal flow, interoperability testing, control interfaces
- **Project Delivery:** Milestones, dependencies, commissioning
- **Field Testing:** Site surveys, acceptance testing, rehearsals
- **Vendor Coordination:** Vendor management, corrective actions, issue closeout
- **Technical Planning:** Equipment lists, build calendars, lead time planning
- **Security Operations:** Information security, remediation tracking, security architecture
- **Engineering Governance:** Engineering standards, exception documentation, decision logs
- **Live Event Operations:** Sports production, event schedules, union environments

SKILLS

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|-------------------------------|--------------------|-----------------------|---------------------|
| • Live Production Engineering | • IP Video | • Remote Production | • Vendor Management |
| • Technical Project Delivery | • RF Systems | • Systems Integration | • Capital Projects |
| • ST 2110 | • Wireless Cameras | • Field Testing | • Risk Escalation |
| • JPEG XS | • Transmission | • Commissioning | |

PROFESSIONAL AFFILIATIONS

- Live production engineering community, supporting venue systems, remote operations, and field integration practices.
- Broadcast engineering peer network, sharing practical methods for IP video testing, vendor follow through, and commissioning.

LANGUAGES

- English (Native)
- Spanish (Beginner)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST