

Robert Harmless

Senior Media Systems Engineer | Full Stack Developer

Specializing in Media Workflows and Automation

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Summary

I am a Senior Media Systems Engineer with extensive experience in developing media workflows and optimizing content distribution. As a Full Stack Developer, I enhance user experiences by integrating media and analytics into applications while building custom tools that enable media management across platforms. I enjoy collaborating with teams to streamline media processes, expand audience reach, and provide valuable insights through improved analytics for informed decision-making.

Experience

Saddleback Church | Full Stack Developer

February 2023 – Present | Lake Forest, California

- Developed full-stack solutions for media content management, optimizing web and mobile applications while integrating third-party services and streamlining analytics for decision-making.
- Refactored web and mobile applications to deliver dynamic content and enhance user experience, building custom tools for managing and distributing media across platforms.
- Implemented analytics tracking in the CMS (Umbraco) and created video analytics tracking for JWPlayer and YouTube with custom milestones, improving reporting and insights.

Saddleback Church | Senior Media Systems Engineer (Collaborative Role)

May 2018 – Present | Lake Forest, California

- Co-led the Video Infrastructure team, implementing media workflows and executing migrations to meet organizational needs.
- Collaborated on system architecture development, focusing on business solutions, performance improvements, and cost reductions.
- Played a key role in system integrations and upgrades, ensuring smooth transitions for technical teams and end-users.
- Mentored team members, providing technical guidance and hands-on support to encourage growth and maintain media infrastructure efficiency.

Saddleback Church | Back End Developer

May 2018 – February 2023 | Lake Forest, California

- Developed and maintained backend infrastructure to support media workflows, integrating third-party tools to enhance content distribution and collaboration.
- Led the migration of podcasts to Transistor, expanding distribution and enabling advanced analytics tracking.
- Automated workflows for webcasts and video requests, integrating MS Teams, Trello, Azure DevOps, and AirTable for streamlined communication and task management.

Saddleback Church | Digital Asset Manager

August 2013 – May 2018 | Orange County, California

- Oversaw video production's technical aspects, managing networks, workstations, servers, and workflows throughout the video asset lifecycle.
- Enhanced media workflows for post-production processes, integrating tools for video capture, transcoding, and content delivery.
- Administered and optimized Digital Asset Management (DAM) systems, establishing metadata structures to organize and manage video assets from production to archive.
- Managed the video production network's daily operations, including fiber infrastructure, SAN storage, and collaborative workflows.

Saddleback Church | Media Specialist

January 2007 – August 2013 | Lake Forest, California

- Contributed to all stages of video production, from filming and editing to asset management and distribution.
- Supported studio shoots, operated Jib, and served as Digital Imaging Technician on set.
- Edited and processed video content for curriculum and marketing materials, while managing video assets and transcoding processes for live events.

Freelance | Video Production Specialist

February 2005 – December 2016 | Orange County, California

- Provided camera operation, teleprompter support, and production assistance, consulting on system setup, workflows, and best practices.
- Operated cameras, jib, and dolly for various single and multi-camera projects.
- Directed and switched live and web events, supporting all phases of production and post-production.

Education

Vanguard University of Southern California

Bachelor's Degree, Communication and Media Studies (1997 – 2000)