

Galan Bridgman

Founder, Kairos Inflection LLC

galan@bridgman.com • linkedin.com/in/galanbridgman • 408.439.0086 • Santa Clara, CA

Summary

Accomplished software architect, engineer, and technology leader with deep expertise in cloud-native solutions, serverless architectures, scalable media streaming technologies, video processing, and AI/ML applications. Demonstrated ability to architect scalable solutions, lead technical teams, and drive innovation in high-performance media and SaaS environments. Proven leadership experience as Director and CTO across several innovative organizations.

Professional Experience

Media Application Architect | Amazon Web Services (AWS)

Nov 2020 – Sep 2024

- Designed and built cloud-native applications for media enterprises, optimizing AWS scalability and cost efficiency.
- Created a custom serverless JITP workflow and migrated 4M+ videos with zero downtime.
- Built a compute scaling solution to orchestrate 20,000+ EC2 Spot Instances.
- Developed a real-time, multi-angle live streaming system using AWS Step Functions and Lambda.
- Developed and executed a live 3TB cross-account DynamoDB migration, ensuring continuous availability.
- Built a serverless Executive Dashboard integrating AWS Cost Explorer insights using React and Cloudscape.
- Built an end-to-end live streaming application using AWS Media Services within an orchestration layer.

Director of Video Services | Thuuz, Inc.

May 2017 – Nov 2020

Architected and led development of a patent-pending real-time video ingest pipeline with a stitching player, leveraging Machine Learning for automated sports highlights.

Developed utilizing AWS EC2/ECS, Docker, S3, Lambda, ffmpeg, Redis, Python, HLS, and Bitmovin Player.

CTO | Cloud Media Works, LLC

Aug 2016 - Apr 2017

Led architecture and development of a white-labeled, self-service OTT video platform with innovative user interactivity features, including 360° video experiences and QR-based video sharing. Managed cloud infrastructure, video encoding pipelines, scalable APIs, and responsive web applications utilizing Azure, Node.js, MongoDB, Angular, Azure Media Encoder, and Akamai CDN.

CTO | ISCORR Media, Inc.

Feb 2007 – Jun 2008

Led the architecture and development of scalable web applications, REST APIs, and streaming video platforms. Managed hosting, CDN procurement, and cloud infrastructure supporting millions of simultaneous users. Delivered cross-platform streaming solutions with real-time video analytics, and developed multiple iOS demo applications.

Additional Experience

Director of Platform Engineering at xTV Networks (2014–2016), Director of Encoding Services at ZillionTV (2008-2010), Senior roles at Hitlab USA, Winnov LP, and consulting services to Microsoft, Apple, and Intel. Extensive work in video encoding, streaming, cloud services, and multimedia applications.

Core Competencies

Programming & Web Development

- Python, Node.js, JavaScript, C#, C++, SQL
- React, Angular, Django, REST & GraphQL APIs
- DynamoDB, S3, MongoDB, Redis, PostgreSQL, SQL Server, MySQL

Cloud, Infrastructure & DevOps

- AWS (Lambda, API Gateway, DynamoDB, EC2, ECS, S3, CDK, IAM, Step Functions, Glue, CloudWatch)
- Azure (VMs, Queue, Media Encoder, Worker Roles)
- Serverless Architectures, Kubernetes, Docker
- Terraform, CloudFormation, Ansible
- Linux (Ubuntu), macOS, Windows
- Git, GitHub, CI/CD Pipelines, Agile methodologies

Streaming Media & CDN Technologies

- HLS, MPEG-DASH, CMAF, PlayReady DRM, Zixi, SRT, WebRTC, ffmpeg
- AWS Elemental MediaConvert, MediaLive, MediaTailor, and Elemental Link
- Akamai, CloudFront, Fastly CDN, Bitmovin Player

AI/ML & Specialties

- AI/ML Architectures and Applications, AWS Bedrock, GPTs, LLMs
- Software Architecture & Development
- Digital Media Solutions, OTT/IPTV Streaming Platforms
- Technology Leadership, Innovation, Team Management

Certifications

AWS Certified Solutions Architect - Associate (2024)

AWS Certified Cloud Practitioner (2021)

Full résumé available upon request.