

# Jesús María García

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Innovative technology leader specializing in enterprise automation and cloud-native platform engineering. Recognized for meticulous execution, clear documentation, and driving team success through collaborative leadership.

Video and post-production artist using Adobe Premiere Pro and AI video generation.

## PROFESSIONAL EXPERIENCE

### MSquared / A Technology Creative • CTO / Creative Director

Denver, CO • August 2022 – Present

Lead a boutique design and technology firm delivering cloud-native solutions and enterprise automation for media and entertainment. Directed end-to-end platform engineering for Lionsgate Entertainment's Digital Media Supply Chain, including:

- Cloud-Native Architecture & Integration: Designed and deployed a fully cloud-native platform integrated with Ateliere Connect for media asset management and distribution.
- GenAI Kubernetes Innovation: Built the first Generative AI Kubernetes environment for Lionsgate, integrating AWS and Azure OpenAI services to enable advanced AI-driven workflows.
- Infrastructure as Code & API Development: Developed comprehensive Terraform modules and custom APIs to automate deployments and streamline operations across multi-cloud environments.
- Digital Asset Migration: Engineered Kubernetes jobs and API services to migrate largescale digital assets from legacy systems (Box and internal NAS) to OrangeLogic DAM, ensuring secure and efficient transfers.
- Metadata Transformation Services: Designed and implemented a GraphQL-based metadata API for film and TV libraries, converting SAP data structures for seamless integration with Ateliere Connect.

**Technologies:** HashiCorp Terraform, AWS CDK, Kubernetes, Fargate, Lambda, GitHub Actions, TypeScript, GraphQL, CloudFront, S3

**Cloud Providers:** AWS, Azure

### Internal Product Development:

Architected and implemented advanced solutions to expand MSquared's technology portfolio:

- Serverless Digital Asset Management System: Designed a fully serverless DAM leveraging DigitalOcean GradientAI and AWS Rekognition for automated cataloging and intelligent tagging of images and videos.
- Content Moderation Platform: Built a next-generation moderation system combining LLMs, MCP, and Ollama, enhanced with computer vision for video and image analysis. Features include aggression detection, age estimation, and compliance workflows for sensitive content.
- AI Video workflows and post-production combining footage and AI generated video from RunwayML, Sora, Adobe Firefly, Luma, Veo. Editing and colorization with Adobe Premiere.
- Designer using Adobe Creative Cloud, InDesign, Illustrator, Photoshop.

**Technologies:** DigitalOcean GradientAI, AWS Rekognition, Kubernetes, Ollama, MCP, Computer Vision, Python, TypeScript

**Starz, a Lionsgate Company • Cloud Architect**

*Denver, CO • August 2019 – October 2022*

Drove architecture and implementation for scalable, media-focused cloud solutions powering Starz's global content operations:

- Built a centralized S3 antivirus scanning system leveraging AWS Fargate for dynamic task orchestration—critical for securing external movie assets before downstream ingestion.
- Architected a fully serverless CI/CD pipeline for theatrical websites, designed entirely on AWS to deliver speed, resilience, and zero-maintenance deployments.
- Introduced elastic transcoding infrastructure for international media conversions, ensuring vendor reliability and operational flexibility.
- Pioneered EKS Proof-of-Concepts for media operations, positioning Kubernetes as a strategic platform for future workloads.
- Led the shift to serverless computing, championing Fargate adoption and migrating major applications away from EC2 and Elastic Beanstalk—transforming operational mindset and reducing overhead.
- Designed and deployed a multi-region, multi-stack architecture fronted by AWS Global Accelerator, enabling canary releases and improving global performance.

**Technologies:** HashiCorp Terraform, AWS CDK, Fargate, Lambda, EKS, Python, TypeScript, CloudFront, S3, EFS, AWS Batch, Atlassian Bamboo CI/CD

**Cloud Provider:** AWS

**Jeppesen, a Boeing Company (via Insight Global) • Solution Architect**

*Denver, CO • February 2019 – August 2019*

Served on the CPAT Cloud team as lead architect, designing and implementing CI/CD pipelines for avionics programs across the enterprise:

- Led cloud automation architecture for GIS-centric applications, ensuring scalability and operational efficiency.
- Designed secure, compliance-driven pipelines meeting code coverage and static analysis requirements for mission-critical software.
- Collaborated within the Architecture Guild, contributing design strategies and best practices for global program implementations.

**Technologies:** Chef, Rancher, Kubernetes, Jenkins, AKS, GitLab CI/CD, Spring, Coverity, SonarQube

**Cloud Provider:** Azure

**Lark Information Technology • Solution Architect**

*Denver, CO • April 2018 – February 2019*

Reimagined DevOps consultancy practice and expanded service portfolio as part of the sales and technical leadership team:

- Served as technical pre-sales consultant for enterprise projects in partnership with Sirius, bridging business needs with scalable cloud solutions.
- Led DevOps teams and training programs, introducing modern automation practices and emerging technologies.
- Designed pilot programs to transition legacy applications into containerized workloads, accelerating modernization efforts.
- Hosted and promoted the firm's flagship meetup, Ops and The Kitchen Sink, fostering community engagement and thought leadership.

**Technologies:** Puppet, Chef, Ansible, Red Hat OpenShift, Rancher, Kubernetes, Jenkins, HashiCorp Terraform, Consul, Vault, Nomad, Go, Docker Swarm

**Cloud Providers:** AWS, Azure, Google Cloud

### **Artifact Uprising • DevOps Engineer**

*Denver, CO • January 2017 – April 2018*

Optimized AWS infrastructure and introduced new services to enhance scalability and automation:

- Migrated from the hosted enterprise version of Chef to an open-source implementation with dynamic node provisioning and termination via AWS Lambda.
- Transitioned data warehouse services to Redshift.
- Integrated DevOps tooling for an almost fully autonomous environment.

**Technologies:** Chef, Rancher, Kubernetes, HashiCorp Terraform, HashiCorp Consul, Go, Docker, Redis, Lambda, API Gateway, Elasticsearch, RDS, RedShift

**Cloud Provider:** AWS

### **Puppet • Technical Solutions Engineer**

*Remote • January 2016 – January 2017*

Expanded adoption of Puppet Enterprise across the Mountain Area, focusing on enterprise clients' transition to DevOps:

- Developed and architected customer-centric demonstrations, including integrations with Docker, vRealize, Consul, CoreOS, Windows, AWS, and OpenStack.
- Speaker at PuppetCamps in Phoenix, AZ and Denver, CO.
- Co-organized a private User Group for a large enterprise customer, generating over \$500K in license expansion.
- Consistently delivered on goals and new logo requirements.

**Technologies:** Puppet, vRealize, Kubernetes, OpenStack, CoreOS, HashiCorp Terraform and Consul, Ruby, Docker, Redis

## **Earlier Roles**

2005 – 2015

Held senior engineering and leadership positions at Raytheon, GE Energy, Aclara, and Recondo Technologies, delivering enterprise-scale infrastructure and automation solutions for missioncritical environments. Highlights include:

- Directed database operations and ETL re-architecture, improving uptime to 99.9% and reducing failover time to under 3 minutes.
- Led deployment of secure LDAP infrastructure for DoD-compliant GPS systems and automated FIPS certificate generation, cutting processing time by 46 hours.
- Designed SaaS cloud prototypes and SOA integrations for Smart Grid systems, including EV charging interfaces showcased at Distributech.
- Managed large-scale J2EE deployments for smart metering systems, scaling to 27 million endpoints across Latin America.

## **Education**

*University of Miami – College of Engineering*

Miami, FL

Degree: Mechanical Engineering

## **Languages**

- English: Fluent
- Spanish: Fluent
- Portuguese: Conversational