



Rodolfo Puig

AWS Cloud Architect
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Professional Summary

With 20 years of software development experience and a decade in cloud architecture, I have a robust background in designing and implementing scalable, high-availability solutions. I have established a profound expertise in leading cloud transformations and modernizing IT infrastructures. At Amazon Web Services, I spearheaded the development and modernization of large-scale applications for multinational corporations, successfully transitioning them to AWS environments and achieving significant gains in operational efficiency and cost reduction.

Experience

Puig & Co.

2018 - Present

AWS Consultant/Owner

- Providing AWS consulting and professional services for numerous organizations.

Amazon Web Services

2019 - 2023

Cloud Application Architect, Professional Services

- Contributed to the AWS Landing Zones solution, a precursor to AWS Control Tower, improving cloud governance.
- Created devcontainer templates for DevSecOps and Data Engineers, streamlining onboarding and enhancing CI/CD efficiency.
- Implemented Service Catalog products for EKS management, enabling AppDev teams to self-manage clusters.
- Transitioned services to microservices using API Gateway and Lambda, enhancing scalability and reducing TCO.
- Developed Service Catalog blueprints for various applications, supporting serverless and AMI-baked applications.

Boats Group

2018 - 2019

Lead DevOps Engineer

- Migrated 90% of applications to ECS, optimizing costs and enhancing deployment flexibility with a combined strategy.
- Rebuilt a legacy AppConfig service in Go, achieving 100% code coverage and significantly boosting performance.
- Reduced onboarding time tenfold by providing pre-built Docker images and VMs, enhancing developer productivity.

Televisa Internacional

2014 - 2018

Lead Software Engineer, BLIM TV

- Designed a cloud-first, SOA-oriented content platform, supporting autoscaling and multi-team collaboration.
- Developed a high-capacity ETL pipeline, managing 4 PB of data for content encoding and encryption.
- Created a video access management service in Go, supporting multi-screen tracking and playback management.
- Transitioned monolithic services to BFFs, optimizing device-specific backends and enhancing service agility.

NBCUniversal

2011 - 2014

Senior Software Engineer, Telemundo Enterprises

- Implemented new collaborative tools and workflows, enhancing inter-departmental cooperation and project delivery times.
- Developed a custom workflow for extracting EIA-608/708 caption data, streamlining content distribution and compliance.

Univision Communications

2009 - 2011

Senior Web Developer, Univision Interactive Media

- Launched a CMS for enhanced content management across platforms, improving content delivery speed and user engagement.
- Developed a robust video player supporting VAST/VPAID ads, and adaptive streaming functionalities.

Certifications

AWS Certified DevOps Engineer (Professional) 9ZC7QC7DJMVEQJCF
Certified Widevine Implementation Partner 00440MD

Amazon Web Services

Google

Education

Art Institute of Fort Lauderdale

2004 - 2006

Bachelor of Science, Game Art & Design

Projects

BLIM TV

2014 - 2018

Televisa Internacional

- Lead Engineer for Televisa's Streaming Platform
- Features: Service-Oriented Architecture, native support for iOS, Android, SmartTVs, Roku, Chromecast, among others

Digital Backbone

2013 - 2014

NBCUniversal

- Tech Lead for the implementation of NBCU's Digital Backbone platform at Telemundo

World Cup Live Stream

2010

Univision Interactive Media

- Developed the live streaming video player used for all soccer games broadcasted online
- Features: VAST/VPAID, Conviva Analytics and multi-stream/adaptive playback

Emotion TV

2009

SurrealImagine Studios

- Provided concept and development plan for the social tv content distribution network

Technical Skills

DevOps • API Development • Infrastructure-as-Code • Python • Go • TypeScript • Docker • Kubernetes • CDK • Terraform • Packer • Ansible • Jenkins • NGINX • Development Containers • Professional Services • Pre/Post Sales Engineer

AWS Services (Expert)

Lambda • EC2 • RDS • DynamoDB • Step Functions • EKS • ECS • CodePipeline • CodeBuild • CodeDeploy • CodeCommit • CodeArtifact • Service Catalog • CloudFormation • Control Tower • Organizations • IAM • Secrets Manager • KMS • Route 53 • CloudFront • API Gateway • VPC • PrivateLink • Transit Gateway