

Jesús Ibáñez Bondzio

Computer Systems Engineer / Senior Software Developer

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EXPERIENCE

Autocloud, Chicago, USA— Sr Software Engineer

October 2021 - March 2024

- > **IAC:** Infrastructure as code: Generation of clients' IaC by crawling their cloud resources. Using the Hashicorp SDK to connect to Autocloud's API (terraform, HCL, Hashicorp custom SDK provider (golang), checkov, infracost, nestjs, AWS, s3)
- > **New Features:** Adding new features, such as: Role-based access controls, logic to crawl more cloud resources, resources drift, to the current backend and front end systems: node.js, react.js, postgresSQL, prisma, graphql, nexus, nexus-prisma, apollo, redis, vault, AWS, nestJS, express.js, sentry, jest
- > **3D Maintenance:** Updating the current 3D visualization system running AWS Sumerian to include more clients' cloud resources and security checks results
- > **GraphQL Database Integration:** Developing a new microservice to store and query cloud providers (AWS, GCP, Azure) crawls using Dgraph Cloud, to better integrate with the current Autocloud's GraphQL API

Binagora, Coral Springs, USA—Sr Software Engineer

November 2014 - October 2021

- > **Crackle+ (2020 - Oct 2021):**
 - Design and development of a new public API using Serverless Framework using Node.js + API Gateway and deployed in AWS. CI/CD using Azure DevOps. Migration of the Javascript code into Typescript
 - Auth Frameworks research to meet client's user & device workflows: Firebase, Google Identity Platform, AWS Cognito
 - Implementation of the new packaging workflow using AWS MediaPackage service.
 - Automating the deployment of MediaTailor Configuration & Cloudfront for Server Side Ads Insertion
- > **Sony NMS (2019-2020):** CI/CD on Azure devops migration (simplifying the serverless functions deployment).
- > **Sony V3NUE (2018-2020):** Refactored a monolith architecture into a microservices architecture, mainly to decouple user's data from the rest of the code
- > **Sony Apollo (2018-2019):** Developed an Automated Ingestion Workflow of Medias & Metadata. Added new features to the current CMS to handle the ingestion workflow
- > **Crackle API (2014-2018):**
 - Revamped the video streaming platform. The focus was on building innovative, scalable fault-tolerant cloud-based architectures. The end-goal was to make the service better, more engaging and ultimately more successful.
 - Added Cloud Architecture Patterns for achieving scalability.
 - API performance Improvements.

Huddle Group, Argentina — Software Developer

May 2012 - November 2014

- > **Capacity Services:** Maintenance and development of new functionalities for a Media & Entertainment enterprise's system. ASP.NET Web Forms, ASP.NET Web API, Dapper .NET, T-SQL, Microsoft Fakes, Handlebars, Js.
- > **WAMS:** Updates and enhancements on a previously developed Windows Azure Media Services (WAMS) solution, and its integration with the current enterprise's system, to provide their platform users with HLS and Smooth Streaming. ASP.NET MVC 4, ASP.NET Web API, Windows Services, Azure, Amazon S3
- > **WAMS Showcase:** PoC demonstrating WAMS' functionalities. Full pipeline development: Ingestions, Transcoding, Packaging, Publishing. ASP.NET MVC 4,

EDUCATION

Computer Systems Engineer

Universidad Nacional del Sur

Bahía Blanca, Argentina

March 2007 - December 2011

GPA: 9.06 / 10

CERTIFICATIONS

AWS Certified Cloud Practitioner

Amazon Web Services (AWS)

December 2019

Microsoft Certified Solutions Developer

(MCSO): Web Applications

Microsoft

November 2014

LANGUAGES

Spanish

Native

English

Professional working proficiency

TECH SKILLS

Javascript, Typescript, HTML5, CSS3 / Node.js, .NET / Azure, AWS, GCP / PostgreSQL, SQL Server, Redis / Prisma, DrizzleORM, Dapper / Docker / Azure DevOps / Git / React, Material UI, TailwindCSS, Shadcn / Jira, Confluence / VS Code / Serverless Framework / Cloud Design Patterns

SOFT SKILLS

Problem solving
Teamwork
Proactivity
Flexible
Responsibility

ASP.NET Web API, Node.js (reverse proxy), ACS (Windows Azure Access Control Service), AngularJS, Bootstrap.

> **Vidispine Research:** Vidispine platform analysis to manage media metadata and assets. Vidispine REST API, ASP.NET MVC 4, ASP.NET Web API, AngularJS, Bootstrap.

> **PoC Transcoding:** Automation of video analysis and video transcoding. Capturing file changes in a bucket and triggering the full ingestion and processing workflow. File System Watcher, topShelf, log4net, ffmpeg, ffprobe, ActionMailer, fluent assertions, moq, VS2012.

> **PoC WAMS:** Windows Azure Media Services proof of concept. Windows Azure Media Services, Azure Web Role. Azure Worker Role. Azure Tables, Queues & Blobs. ASP.NET Web API, HMAC, AngularJS, ffmpeg, ffprobe. Video transcoding and video streaming: smooth streaming and HLS (HTTP Live Streaming). AES and PlayReady encryption. Class Library Project, fluent assertions, moq, Microsoft Fakes Shims, Amazon AWS SDK, VS2012.

> **Internal Project:** Internal app for managing workers daily hours. Adding constraints to the data input. ASP.NET MVC 2, SQL SERVER 2008 R2.

> **Metro App:** App providing communication and training resources within an enterprise. Bug fixing. Windows 8, C#/XAML Metro app.

> **Web Project:** Laboratory administrative tasks. Bug fixing. ASP.NET MVC 3, SQL Server 2008 R2, JavaScript, jQuery, HTML, CSS, Web Services.

> **Web Project:** Tours/shows management for artists agencies. I made the changes to ensure the website had a responsive design, as well as creating and optimizing MSSQL queries to handle artists and venues. ASP.NET MVC 3, JavaScript, jQuery, HTML, CSS, Responsive Design, ZURB foundation, Bing Maps, multi-browser

SIDE PROJECTS / HOBBY / SCRIPTS

Semi-automated Youtube Channels January 2025 - Present

> Generate videos programmatically using Remotion.dev / n8n upload & metadata workflow

Discoverifi 2024 - Present

> Platform connecting users with artists, venues, and organizers to create events. discoverifi.com
nextjs 14, tailwindcss, shadcn-ui, typescript, drizzle orm, turso, upstash (redis), vercel, cloudflare, google oAuth, google reCAPTCHA, nextAuth, brevo, google analytics, git, popsy, instagram, zod, AWS s3, chrome extensions

Pinescript, TradingView 2020

> **Trading:** indicators, strategies and alerts using TradingView's Pinescript v5 (time series data)

Automated Youtube Channels June 2020

> Generate videos programmatically + Youtube API to upload videos & metadata (python, blender, youtube api, node.js, ffmpeg)

Dockerizing Wordpress 2019

> **Docker:** wordpress stack in digitalocean using docker, docker-compose

> **Personal & Travel website**

> **Creating/adapting Wordpress PHP plugins**

Digital Nomad 2016

> **Airbnb Listings Finder:** Scripts to find listings

Android - Google Play Console 2012

> **Stick3rs:** Photo app to add stickers on images

> **Mem3s:** Send memes as stickers thru whatsapp

Undergraduate Thesis: Campus Classrooms + Search 2011

University campus 3D visual representation and path finder service

Other < 2011

> **Literal Facebook Wall:** Three.js

> **Computer Graphics:** c# / opengl / shaders

> **Intro to Video Editing & 3D:** Adobe Premiere, Adobe After Effects, 3D Studio Max / Blender