

Marcos Avila Villamor

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Experience

Co-Creator, Software Engineer, *Trellis* [↗](#)

2022 – present

- Co-created a CI/CD pipeline for serverless applications using Node.js, AWS CDK, and AWS SDK.
- Created a dashboard to abstract away complexities of deploying serverless applications, including API Gateways, Lambda Functions, ECS tasks, and DynamoDB.
- Implemented a build server using Fargate Task that gets its containers from ECR and communicates with AWS Secrets Manager to collect users' confidential information.
- Designed and developed a backend that consists of a collection of serverless functions, an API gateway, and a DynamoDB.
- Created a dashboard using React, hosted on AWS S3 bucket and delivered using AWS CloudFront, to abstract away complexities of deploying serverless applications.
- Authored a comprehensive case study on the problems Trellis solves and the design decisions and tradeoffs made during its development. Read the case study. [↗](#)

Full-Stack Web Developer

2020 – 2022

- Developed open source software using Ruby, Node.js, Express, React, PostgreSQL, MongoDB, SQLite, HTML/CSS, and more.
- REQUEST8IN - A real-time tool for monitoring and receiving webhooks (DigitalOcean Droplet, Express, MongoDB, Node.js, Nginx, PostgreSQL, React, Pug).
- Shopping Cart - A database-backed e-commerce app (React, MongoDB, Node.js, Docker).
- RecipeBoss - A recipe saving app that generates a weekly shopping list of ingredients (ERB, Ruby, Sinatra).

Creative Director,

2012 – 2019

Miami Vibe Dancesport, Commonwealth Classic Dancesport

General production, design implementation, branding, and marketing.

Freelance Digital Media Production,

2010 – 2019

Koseyface.com - a full-service boutique social media marketing agency

Video production, marketing, branding, graphic design, photography & website development mainly for fashion, live event & professional ballroom dancing businesses.

Skills

Languages

JavaScript, Ruby, Golang, SQL, C, HTML/CSS

Cloud

Digital Ocean (Droplets), Heroku, AWS (CDK, ECR, ECS, Cognito, Fargate, Lambda, Secrets Manager, API Gateway, CloudWatch, CloudFront, S3, DynamoDB)

Frameworks

Express, React, Sinatra, Serverless, SST

Other Technologies

Git, Github, Linux, Node.js, HTTP, RESTful APIs, PostgreSQL, MongoDB, SQLite, Docker, Jest

Education

Software Engineering & Web Development, *Launch School*

A mastery-based school for software engineers: launchschool.com/employers [↗](#)

Bachelor of Business Administration - BBA Marketing and Advertising,

Baruch College Zicklin School of Business - The City University of New York [↗](#)