

# Marcos Avila Villamor

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## Experience

### Co-Creator, Software Engineer, *Trellis*

2022 – present

- Co-created a CICD 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. <https://trellis-deployment.github.io/>

### 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, Redux, MongoDB, Node.js)
- RecipeBoss - A recipe saving app that generates a weekly shopping list of ingredients (ERB, Ruby, Sinatra)

**Creative Director,** *Miami Vibe Dancesport, Commonwealth Classic Dancesport*  
General production, design implementation, branding, and marketing.

2012 – 2019

### 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](https://launchschool.com/employers)

### Bachelor of Business Administration - BBA Marketing and Advertising,

*Baruch College Zicklin School of Business - The City University of New York* 