# 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,** *Miami Vibe Dancesport, Commonwealth Classic Dancesport*      2012 – 2019
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

**Frameworks**
Express, React, Sinatra, Serverless, SST

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

**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* ⧉